



Government of Bengal

Annual Report of the  
Medical Schools in Bengal

For the Year

1938-39

With a Review

*by*

Major-General P. S. Mills, C.I.E., M.B., B.S., D.T.M. & H.,  
M.R.C.S., K.H.P., I.M.S.,

*Surgeon-General with the Government of Bengal*

Superintendent, Government Printing  
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FROM MAJOR-GENERAL P. S. MILLS, C.I.E., M.B., B.S., D.T.M. & H.,  
M.R.C.S., K.H.P., I.M.S., *Surgeon-General with the Government of  
Bengal,*

TO THE SECRETARY TO THE GOVERNMENT OF BENGAL,  
DEPARTMENT OF PUBLIC HEALTH AND LOCAL SELF-  
GOVERNMENT.

*Calcutta, the 9th July 1940.*

SIR,

I have the honour to submit herewith the Annual Reports of the following nine medical schools in Bengal for the session 1938-39 commencing in July 1938:—

1. Campbell Medical School.
2. Dacca Medical School.
3. Lytton Medical School, Mymensingh.
4. Ronaldshay Medical School, Burdwan.
5. Chittagong Medical School, Chittagong.
6. Jackson Medical School, Jalpaiguri.
7. Calcutta Medical School, Calcutta.
8. Sammilani Medical School, Bankura.
9. Jatiya Ayurvijnan Vidyalaya or the National Medical Institute, Calcutta.

The first six of these are state institutions and the rest are under private management.

2. In all these schools training was imparted up to the standard of the final licentiate examination of the State Medical Faculty of Bengal. With the exception of the Jackson Medical School, Jalpaiguri, there were training classes for compounders in each of the Government Medical Schools.

3. The total strength of the licentiate students in the various medical schools at the beginning of the session, viz., July 1938, as compared with that of the previous session is shown below:—

	Number of students.	
	1937-38.	1938-39.
Campbell Medical School	... 599	669
Dacca Medical School	... 482	490
Lytton Medical School	... 220	218
Ronaldshay Medical School	... 217	220
Chittagong Medical School	... 206	197
Jackson Medical School	... 147	129
Calcutta Medical School	... 404	414
Sammilani Medical School	... 205	232
National Medical Institute	... 411	411
<b>Total</b>	<b>2,891</b>	<b>2,980</b>

The total number of new admissions during the year under report was 730 including 81 Muslims, as compared with 648, including 83 Muslims in the previous session. Number of students passing out the final licentiate examination of the State Medical Faculty of Bengal in 1938-39 was 364, as against 358 in the previous year.

4. Post-graduate training was carried on as usual at the Campbell and the Dacca Medical Schools, 2 Government sub-assistant surgeons and 2 private doctors attended the course at the Campbell Medical School and 2 sub-assistant surgeons and 6 district board doctors attended the course at the Dacca Medical School during the period under report.

5. The conduct and attendance of the students of all the schools were generally satisfactory. There was no breach of discipline except an unfortunate strike of the students of the Chittagong Medical School in December 1938. This was, however, satisfactorily settled within a few days.

6. Improvements worthy of mention carried out in the medical schools and hospitals attached thereto were as follows:—

(i) Extension of maternity and gynaecological block with a new labour room and up to date arrangements at a cost of Rs. 10,000 was completed in the S. K. Hospital, Mymensingh, during the year.

(ii) Construction of a casualty block with six casualty beds and a separate operation theatre with dressing room and separate rooms for male outdoor, for the officers on duty and for the duty students, at a cost of Rs. 7,730 was completed in the S. K. Hospital, Mymensingh, during the year.

(iii) Electric lights and fans were installed in the Chittagong Medical School at a cost of Rs. 4,413.

7. The average cost per student in the Government Medical Schools during the year under report was as follows:—

		Rs.
Campbell Medical School	... ..	605
Dacca Medical School	... ..	291
Lytton Medical School	... ..	116
Ronaldshay Medical School	... ..	135
Chittagong Medical School	... ..	104
Jackson Medical School	... ..	169

The cost is the highest in the Campbell Medical School and the lowest in the Chittagong Medical School. The cost varied in accordance with the cost of establishment maintained at the different schools and the hospitals attached thereto. The cost in respect of the lastnamed four institutions is also comparatively low because the hospitals attached to them are maintained by local bodies.

The Inspection Committee of the State Medical Faculty, Bengal, pressed for some time past for the appointment of separate teachers for individual subjects. Government having been moved in the matter, sanctioned the appointment of separate teachers in December 1938 in the four Medical Schools at Burdwan, Mymensingh, Chittagong and Jalpaiguri where separate teachers were not previously available for all the individual subjects. Separate teachers have since been appointed for each subject.

My thanks are due to the Superintendents and the teaching staff of the school for the efficient management of the institutions in their respective charges throughout the year.

I have the honour to be,

SIR,

Your most obedient servant,

P. S. MILLS, MAJOR-GENERAL, I.M.S.,

*Surgeon-General with the Government, of Bengal.*



# Annual Report of the Campbell Medical School for the year 1938-39.

## I.—Building and Accommodation.

No new building was constructed during the year under review. The usual repairs were carried out.

## II.—Teaching and Equipment.

**(A) Department of Chemistry and Physics.**—The Chemistry and Physics classes for the first year students were held in the Department of Physics and Chemistry Medical College, Calcutta, and were taken by Mr. Suresh Chandra Mukherjee, M.Sc., Senior Demonstrator of the Department. He delivered the prescribed course of lectures and held the practical classes laid down under the existing rules of the State Medical Faculty.

Facilities for giving instruction in the subjects to the students of the school, under the revised regulations, are not obtainable in the College. In order, therefore, to meet the difficulty, a scheme for opening a Department of Chemistry and Physics in the school itself has been submitted for sanction to the Surgeon-General, Bengal, under this office-letters Nos. 177 and 755, dated the 25th March 1935 and 19th September 1935, respectively.

**(B) Department of Anatomy.**—The department was under the charge of Dr. L. K. Ghosh, M.B., Teacher of Anatomy, assisted by a staff of five demonstrators. The number of students on the roll during the period was 367 distributed as follows:—

1st year—

(a) Regular students	...	...	193
(b) November students	...	...	35

2nd year—

(a) Regular students	...	...	78
(b) November students	...	...	61

Total	...	367
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Apart from the prescribed course of lectures delivered by the teacher, 65 demonstrations mainly in Osteology were given to the students in course of the summer term (July to October), according to the following programme:—

- (1) the first year regular students were divided into 8 batches, each batch containing 21 to 26 students;
- (2) The first year November students were put in 2 batches of 17 and 18 in each batch respectively;

- (3) The regular second year students were divided into 4 batches 20 to 19 forming a batch; and
- (4) The November second year students were distributed in three batches 16 to 23 students in batch;

thus making altogether 17 daily batches (8+2+4+3) allotted to five demonstrators, requiring three hours' demonstration work a day from each demonstrator. The demonstration classes for the November students both of the first and the second year classes comprised also of demonstrations in soft parts and surface markings.

The five months of the winter session (November to April) were utilised for dissections from 11 to 4 p.m. daily on working days. The total number of students on the roll during this session was 330; 207 in the first year and 123 in the second year class.

Altogether 69 bodies were dissected by the students of 4.78 students per body. On completion of dissection of a part each student was examined on that part and was allowed to take up a further part to dissect on his satisfying the examiner that he had performed the dissection thoroughly.

Tutorial classes were also taken during the session for a single batch of 22 students, for one hour daily, during the month of February and for five batches daily, during the months of March and April, when the dissections were over.

In addition to this, the undermentioned works auxiliary to the work of teaching were also carried out.

(a) One hundred and twenty-three bodies were injected with colour dyes of which 73 were used for dissections in the school, 46 formalin injected supplied to the Medical College, Calcutta, 18 for the operative surgery classes held in the school and 23 for faculty examination in Anatomy and Operative Surgery. One body was taken away by the relatives and 2 colour injected bodies were sent to Dacca Medical School.

(b) Bones articulated and non-articulated were supplied to following institutions:—

Students, Campbell Medical School.

Civil Surgeon, Benares.

Calcutta Police Hospital, Bhowanipore.

Civil Surgeon, Gaya.

(c) Twelve anatomical diagrams were added to those already in existence, bringing thereby the total of diagrams to 340.

(d) In addition 361 bodies were embalmed without colour of which all were small-pox victims.

*Requirement.*—The provision of a two-cabinet 18-body refrigerator, each cabinet consisting of three rows containing three removable tray in each row is necessary for preservation of bodies for dissection.

**(C) Department of Physiology.**—The department was under the charge of Dr. C. B. Roy, B.Sc., M.B., assisted by a staff of three demonstrators. The number of students on the roll during the session was 306 of whom 205 were students of the first year and 101 of the second

year classes. They were given the usual course of instruction prescribed by the Faculty Regulations by the teachers concerned, and a course of 25 demonstrations and 15 for second year and 6 for first year practical classes were held as against 25 demonstrations only as required under the Faculty rules. The students were divided into batches of 24 to 25 each for the demonstration and practical classes which were attended by all the three demonstrators together. The duration of a class was one hour and those held for the first and second year students were taken separately. In the demonstration classes were exhibited under the microscope, histological specimens of the principal organs and tissues, the structures of which were explained in a preliminary discourse by the demonstrators with the aid of drawings and sketches on the black board. For each class 25 microscopes were provided. A card bearing particulars of the important structures to be seen under the microscope was placed alongside of each to help the students in identifying and recommending the appearances seen. In addition, each student was required to draw, in a special exercise book, diagrams of typical specimens viewed under the microscope. In addition to the demonstration classes, ten practical classes, of one hour's duration each, were held during the session for instruction in methods of staining tissue-section and blood-films, estimation of sugar in urine, and in use of the commoner clinical instruments, such as the Sphygmomanometer, Haemocytometer, Albuminometer, Coagulometer, Ureometer, etc. The department also carried out during the year 4,251 clinical examinations for the hospital as against 2,630 examinations carried out in the previous year; a statement of which is given below:—

*Total amount of work done during the year from April 1938 to March 1939 is 4,251.*

1. Blood pressure	...	...	1,115
2. Coagulation time of blood	...	...	1,103
3. Sugar content of blood	...	...	183
4. Urea content of blood	...	...	176
5. Non-protein nitrogen of blood	...	...	80
6. Creatinine content	...	...	40
7. Chloride content of blood	...	...	50
8. Calcium content of blood	...	...	40
9. Cholestonol content of blood	...	...	41
10. Cholestonol 2 capacity of blood	...	...	37
11. Vandenberg's reaction of blood	...	...	58
12. Bihrrulin content of blood	...	...	61
13. Sedimentation rate of R. B. C.	...	...	16
14. Fragility test of R. B. C.	...	...	1
15. Blood differential count	...	...	1
16. Blood in urine	...	...	1
17. Blood in stool (occult)	...	...	162
18. Examination of urine (physical, Chemical and microscopical)	...	...	611

(a) Estimation of Albumin in urine	...	235
(b) Estimation of sugar in urine	...	54
(c) Estimation of urea in urine	...	42
(d) Estimation of Chloride in urine	...	3
(e) Diazo Reaction of urine	...	1

*Examination of Cerebrospinal fluid.*

(a) Nonne Apett test	...	7
(b) Albumin content	...	10
(c) Chloride content	...	14
(d) Globulin content	...	10
(e) Sugar content	...	16
(f) Urea content	...	2
(g) N. P. N. content	...	1
(h) Creatinine content	...	1
19. Ascitic fluid	...	1
(a) Sugar content	...	1
(b) Albumin content	...	1
Total	...	<u>4,251</u>

**(D) Materia Medica and Pharmacy.**—(i) *For Licentiate students.*—The prescribed course of lecture was delivered to the students of the 1st and 2nd year class by Dr. J. C. Aich, M.B., M.R.C.P., teacher of the subject. The number of students on the roll during the session was 372 of whom 229 were students of the first year and 143 of the second year classes.

In addition to the lectures, tutorial classes were held in batches separately for the first and second year students; there being 25 students of the first and 23 students of the second year in each batch. The classes were taken by the teacher of the compounder students—the number of classes held for each batch being 32.

The practical pharmacy classes for the second year students were held from July 1938 to February 1939. The students were divided into 6 batches of 25 students in each, and the number of classes attended by each batch was about 17. The classes were taken by the assistant apothecary, in which compounding and dispensing of mixtures lotions, ointments, plasters, pills, and suppositories were taught.

(ii) *For compounder students.*—The number of students on the roll was 61. One hundred Practical Pharmacy Classes, 50 demonstrations and 50 lectures in Materia Medica were held during the year by the teachers concerned.

*Requirement.*—There is no department of Materia Medica nor any special class room for holding the practical pharmacy classes in this school. The pharmacy classes were, therefore, held in the indoor



dispensary though suitable accommodation for holding the classes there was lacking. In order to make good the deficiency a scheme for the establishment of a department of Materia Medica has been forwarded under this office letter No. 755, dated the 19th September 1935.

**(E) Department of Pathology.**—(I) The department was under the charge of Dr. J. N. Maitra, M.D., Teacher of Pathology, assisted by a staff of three demonstrators throughout the year. The number of students on the roll during the session was 265. A course of 40 lectures on Pathology and Bacteriology was delivered by the teacher and a course of 25 demonstrations and practical classes were held for students in batches of 16 each. The number of post-mortem examinations held during the year was 17 only, which were attended by 265 students. On account of the very small number of post-mortems available, the classes at each post-mortem were too large for proper instructions to be given in this important branch of pathological work. The defect can only be remedied if the refrigerator, asked for the Department of Anatomy, which would be also available for storage of bodies required for post-mortem examination, is sanctioned; enabling thereby bodies to be kept in a fresh condition necessary for proper post-mortem examination.

(II) In addition, 4 Museum demonstrations were given to the students of the fourth year class by the teacher of the department.

(III) A catalogue of the specimens has been prepared but has not been printed for lack of funds. 29,685 laboratory examinations were carried out for the hospital during the year as against 23,325 in the year before. In addition, 148 cases of dog-bite (of whom 55 cases were given anti-rabic treatment) were attended to and advised by the staff of the department. A statement of the laboratory work carried out during the year is given below:—

(a) Blood examinations	...	...	21,475
(b) Urine examinations	...	...	2,334
(c) Stool examinations	...	...	4,006
(d) Miscellaneous examinations	...	...	1,870
Total	...	...	29,685

A progressive increase, year by year, in the number of laboratory examinations carried out by the department for the hospital is throwing a considerable strain on the small staff of the department to cope fully with the dual requirements of teaching and of hospital work. The appointment of at least one technician, one laboratory assistant and a *dome* to assist in the work of the department has, therefore, become an imperative necessity.

**(F) The Department of Medicine.**—A (i) The prescribed course of 50 lectures was delivered during the summer term by Khan Sahib Dr. Kabir Hossain, M.B., D.T.M., the Teacher of Medicine.

(ii) Clinical demonstrations were given in the wards daily throughout the year by the teacher and the other two Physicians-in-charge and also by the Associate Physicians.

Tutorial classes for students were taken in batches for one hour in the evening by the Resident Medical Officers, attached to the wards. The writing up of case note and performance of clinical laboratory work were supervised by the Registrars and House Physicians respectively.

(B) In the wards the students were taught the methods of physical examination, laboratory examination, application of clinical instruments and interpretation of radiograms, required for arriving at the correct diagnosis and prognosis of a case. They were taught also the elements of practical therapeutics and the procedure to be observed in the following up a case.

*Requirement.*—The installation of an electro-cardiograph is urgently necessary for investigation and diagnosis of the large number of heart cases treated in the hospital and also for instruction of students in this advanced method of investigation of cardiac disorders.

**(C) Hygiene (Preventive Medicine).**—The prescribed course of 20 lectures was delivered by Dr. B. C. Chatterjee, M.B., D.P.H., D.T.M., who found it necessary to supplement it by 18 more lectures. Models lent by the All-India Institute of Hygiene and Public Health, were made use of by the lecturer for demonstration to the students. Six practical field demonstrations were held and were attended by the students who appeared at the Final Examination in April 1939. The demonstrations were carried out by the teacher concerned and included visits to waterworks, disinfecting station, vaccination depôt, Mill-supply depôt and installation for destruction of refuse by burning, etc.

*Training in Infectious Diseases.*—The students of the third and fourth year classes were detailed, for the purpose, in batches; each batch being detailed for a period of two months. They were attached in rotation to the cerebro-spinal fever, tetanus and cholera wards, and were also taken periodically to the small-pox wards. Here they were taught the technique of lumbar, cisternal and ventricular punctures in cerebro-spinal fever and Rogers saline treatment of cholera. In the small-pox wards, epidemiology, infectivity, characters of rash, points of differentiation from other exanthemata, importance of personal prophylaxis and of vaccination against the diseases were taught. A three months' course of practical instructions in the management of infectious diseases was also held in the appropriate sections of the hospital for the students of the D. P. H. and D. M. C. W. classes from the All-India Institute of Hygiene.

**(H) Medical Jurisprudence (Forensic Medicine).**—The subject was taught by Dr. H. N. Bakshi, M.B., the Teacher of Medical Jurisprudence. Besides the usual course of lectures, 276 medico-legal post-mortems were held during the year which the students had the opportunity of witnessing.

**(I) Children's Ward (Pediatrics).**—The department consisting of a ward of 20 beds was under the charge of Dr. Maitrayee Bose, M.D. (Berlin), assisted by Dr. Phanindra Nath Brahmachari, M.Sc., M.B., F.R.S., the Associate Physician. The total number of cases treated during the year was 280. Students of the 3rd year class, in batches of 10 to 15 were detailed for instructions for a month at a time in this ward.

All varieties of cases including those special to early childhood were treated in the ward and the students given systematic instructions in methods of examination, care, feeding and treatment of infantile disorders. Special attention was paid to developmental and deficiency diseases, such as rickets, nutritional anaemia, endocrine disorders, etc.

**(J) Department of Surgery.**—The prescribed course of 50 lectures was delivered by the teacher Dr. T. Acharji, M.B., during the year. Twenty practical classes in Operative Surgery were held by the Teacher of Clinical Surgery and tutorial classes by the Associate Surgeons and the Resident Medical Officers; clinical instructions were given in the Out-patients Department and in the wards. In the latter section the students were required to act as surgical dressers and also to attend all operations performed by the Surgeon-in-charge. Special instructions in ear, nose and throat diseases and in Ophthalmic Surgery were given by Capt. K. Sen, M.B., F.R.C.S.E., D.O.M.S., the Ophthalmic Surgeon. The Kirschner wire extension method of treatment of fractures was frequently made use of by the Surgeons and also Surgical Diathermy for operations wherever required. The institution of a course for training students in Anaesthetics is necessary and to give effect to this scheme the appointment of another properly trained Anaesthetist is required.

**(K) Ophthalmic Surgery.**—The total number of beds available for treatment of eye cases was 28 and the number of in-patients treated during the year was 556. All varieties of cases including severe conjunctivitis, special types of corneal ulcers, diseases of the lens and ciliary body, etc., were admitted for teaching purposes and treated. Bedside clinical demonstrations were given on 6 days of the week, three of which were taken by the Honorary Ophthalmic Surgeon and the remaining three days by the Honorary Associate Surgeon. The cases in the wards were distributed amongst the students for examination and follow up of their treatment and progress. The student-in-charge of a case was required to help in the operation with the hammer lamp to illuminate the eye, so that he could see every step of the process well. During and after the operation the steps were explained to him as well as to the other students of the ward and the student concerned was required to write the operation notes. 9,526 eye cases were seen in the Out-patients Department during the year consisting of a wide variety of eye diseases, which the students had the opportunity of examining. Twenty lectures were delivered by the Surgeon on diseases of the eye. Special stress was laid in those lectures which were illustrated by models, diagrams and specimens on the preventive aspect of blindness and spread of infection.

*Requirement.*—A technician to work the epidioscope is urgently required, a want for which the apparatus which is of great value in teaching cannot be properly brought into use.

**(L) Obstetrical and Gynaecological Section.**—The department was under the charge of Capt. J. P. Dutt, M.B., M.R.C.O., Teacher, throughout the year assisted by Dr. K. P. Mukherjee, M.B., L.M. (Dublin), Associate Honorary Surgeon. Fifty lectures on Obstetrics and Gynaecology were delivered by the teacher to the students of the 4th year class. The number of beds available in the section was 44, 22 Obstetrical and 22 Gynaecological which were always full. The students were detailed for duty in the wards in batches of 20 at a time for a

period of three months and they were required to follow the cases from the time of admission to the date of discharge. In the bedside clinics special stress was laid on Anatomical Hygiene. Mechanism of labours (normal and abnormal), uses and applications of commoner obstetrical instruments were demonstrated on the dummy regularly to the students. They attended 685 labour cases and 552 operations during the year.

*Requirements.*—A more commodious labour room than the present one, which is barely 12' x 8' in size, is necessary owing to a great increase in the number of labour cases in recent years.

**(M) Out-patients Department.**—The department consists of a surgical section, a medical section, a separate section for women, a combined section for the diseases of the eye, ear, nose and throat, a vaccination section, a V. D. clinic, a casualty section and a dispensary. The building, however, is much too small for accommodating the existing departments and has no accommodation at all for opening a chest, a dental and a skin department which are necessary. The difficulty can be got over, only by an entire new construction on a much more enlarged scale than the one at present in existence.

**(N) V. D. Clinic.**—2,535 patients were treated during the year. The students of the 4th year class were given instructions for a week at a time in batches of five. They were taught the pathology, methods of prophylaxis, diagnosis by laboratory methods and treatment of the diseases concerned.

The work of the department was carried out in the surgical section for want of separate accommodation, an arrangement which was highly unsatisfactory. There was, however, no help for it as separate accommodation for the section was not available in the building.

### III.—Conduct and attainments of students.

The conduct of the students was on the whole satisfactory and their attendance in the classes and in the wards was good. The total number of students on the rolls at the beginning of the session was 669 as against 599 students in the previous year. The details are shown in Table (A).

Generally speaking, the attainments of the students were not satisfactory, due mainly to the minimum qualification for entrance to the school being the Matriculation standard. Raising of the qualification from Matriculation to I.Sc. would enable the students to grasp the subject more thoroughly. The two years' study in the I.Sc. course would give them not only a better understanding of the English language but also of the science subjects as well such as Physics, Chemistry and Biology, which form an integral part of the Medical Curriculum.

### IV.—Admission.

One hundred and seventy-seven students were admitted to the Licentiate class, as shown in table (C). Of whom 1 was B.A. and 30 I.A.s or I.Sc.s as against 1 B.A. and 48 I.A. or I.Sc.s admitted the year before. Sixty-one students were admitted to the compounder class.

**Students' Union.**—The inaugural ceremony of the Students' Union, Campbell Medical School, was performed by the Hon'ble Minister-in-charge of the Public Health and Local Self-Government Department of the Government of Bengal on 27th July 1938. The Students' Union is divided into the following sections:—

- (1) The Literary and Scientific Section.
- (2) The Students' Benefit Section.
- (3) The Entertainment Section.
- (4) The Athletic Section.

The Campbell Medical School Magazine is published quarterly by the Literary and Scientific Section. A series of lectures and clinical demonstrations are held on Saturdays as a routine measure.

The Benefit Fund Section has distributed Rs. 628-11 to poor students for the purchase of books, instruments and for paying the examination fees.

The Entertainment Section gave two dramatic performances during the Re-union of the Campbell Medical School in January 1939.

Under the auspices of the Athletic Section, the Campbell Medical School teams took part in various tournaments and they all acquitted themselves well. A Swimming Section has been added this year to the Athletic Section and the Canning Tank of the Campbell Medical School has been allowed by Government to be utilised for swimming purposes. A pavilion is under construction for the Athletic Section.

**Annual Sports.**—The annual school sports were held on 30th January 1939 and the prizes were distributed by Mrs. Shahabuddin, M.L.A.

**Prize Distribution.**—The annual prize distribution of the Campbell Medical School was held during the re-union of the school in January 1939 and was presided over by the Hon'ble Mr. A. K. Fazlul Huq, Premier of Bengal.

**Hostel Accommodation.**—There is neither hostel accommodation nor any attached messes for the students of the Campbell Medical School. The hardship undergone by the students for want of such accommodation has been repeatedly brought to the notice of the Government without any effect. A scheme to establish attached messes is now under the consideration of the Government. A plot of land to the south of the Campbell Hospital was acquired by Government as early as 1911 for the purpose of building a hostel for the students of Campbell Medical School but this plot of land is lying vacant ever since.

**First Aid Class.**—A course of instruction in First Aid to the Injured was given to the second year students and the compounder students by the Demonstrator of Anatomy. Thirty-eight students were trained. Thirty-one students appeared at the examination conducted by Dr. A. Prodhan, M.B., L.R.C.P., Additional Teacher of Clinical Surgery and 28 passed.

**Post-graduate Training Class.**—Four sub-assistant surgeons received post-graduate training during the year under report of which 2 were Bengal Government sub-assistant surgeons and 2 were private doctors. They all passed the examination.

**Recruitment of passed students in Government service.**—Two students were recruited into the service of Government during the year under report.

**Athletic Club.**—The club has been well maintained and the students took great interest in competitions and friendly games.

#### **V.—Finance.**

The total receipt of the school other than from Government during the year under report was Rs. 67,400 and the total expenditure Rs. 1,61,549 as against Rs. 61,722 and the total expenditure Rs. 1,63,424 respectively, for the previous year.

The details of the receipts and expenditure for the last two years are given in Table (E).

The causes of increase or decrease of income and expenditure, in comparison with those of the previous year, are stated at the foot of Table (E).

The average primary cost per student educated was Rs. 605-15-6 against Rs. 583-3-3 in the previous year.

#### **VI.—Establishment.**

Lt.-Col. B. G. Mallya, M.D., F.R.C.S., I.M.S., held charge of the Office of the Superintendent throughout the year under report.

Dr. J. A. Hyde, I.M.D., held charge of the office of the Deputy Superintendent throughout the year under report.

**ANNEXURE I.**

*List showing the names of the staff with their academic qualifications and their duties in the Campbell Medical School also whether whole-time, part-time or honorary.*

1. Lt.-Col. B. G. Mallya, M.D., F.R.C.S.E., I.M.S., Superintendent—Part-time Officer.
2. Dr. T. Acharji, M.B., Teacher of Surgery—Part-time Officer.
3. Dr. W. Mahmud, M.B., Teacher of Clinical Surgery—Part-time Officer.
4. Dr. A. Prodhan, M.B., Additional Teacher of Clinical Surgery—Part-time Officer.
5. Dr. K. L. Sen, M.B., D.O.M.S. (Lond.), F.R.C.S.E., Teacher of Ophthalmic Surgery (Honorary)—Part-time Officer.
6. Khan Sahib Dr. Kabir Hossain, M.B., Teacher of Medicine—Part-time Officer.
7. Capt. J. P. Dutt, M.B., M.C.O.G., Teacher of Midwifery—Part-time Officer.
8. Dr. S. M. Lahiri, B.Sc., M.B., Teacher of Medical Jurisprudence—Part-time Officer.
9. Dr. J. N. Maitra, M.D., Teacher of Pathology and in charge of the Pathological Department—Part-time Officer.
10. Dr. B. C. Chatterjee, M.B., D.T.M., D.P.H., Teacher of Hygiene (Honorary)—Part-time Officer.
11. Dr. C. B. Roy, B.Sc., M.B., Teacher of Physiology and in charge of the Physiological Department—Part-time Officer.
12. Dr. L. K. Ghosh, M.B., Teacher of Anatomy and in charge of the Anatomy Department—Whole-time Officer.
13. Dr. J. C. Aich, M.B., M.R.C.P.E., D.T.M. & H., (Lond.), Teacher of Materia Medica—Part-time Officer.
14. Mr. S. C. Mukherji, M.Sc., Teacher of Chemistry and Physics—Part-time Officer.
15. Sub-Assistant Surgeon Dr. Sachindra Nath Sahana, Demonstrator of Anatomy—Whole-time Officer.
16. Sub-Assistant Surgeon Dr. Nripendra Nath Ghosh, Demonstrator of Anatomy—Whole-time Officer.
17. Sub-Assistant Surgeon Dr. Santilal Roy, Demonstrator of Anatomy—Whole-time Officer.
18. Sub-Assistant Surgeon Dr. Emaduddin Ahmed, Demonstrator of Anatomy—Whole-time Officer.
19. Sub-Assistant Surgeon Dr. Ramanath Biswas, Demonstrator of Anatomy—Whole-time Officer.
20. Sub-Assistant Surgeon Dr. Sasanka Kumar Mukherji, Demonstrator of Pathology—Whole-time Officer.
21. Sub-Assistant Surgeon Dr. Anil Kumar Maitra, Demonstrator of Pathology—Whole-time Officer.

22. Sub-Assistant Surgeon Dr. Paresh Ch. Sen Gupta, Demonstrator of Pathology—Whole-time Officer.
23. Sub-Assistant Surgeon Dr. Md. Shahabullah Khan, Demonstrator of Physiology—Whole-time Officer.
24. Sub-Assistant Surgeon Dr. Shibnath Chakravarti, Demonstrator of Physiology—Whole-time Officer.
25. Sub-Assistant Surgeon Dr. Harinath Dhar, Demonstrator of Physiology—Whole-time Officer.
26. Sub-Assistant Surgeon Dr. Md. Abdur Rahman, Demonstrator of Physiology—Whole-time Officer.
27. Sub-Assistant Surgeon Dr. Nirmal Ch. Banerjee, Demonstrator of Materia Medica and Teacher, Junior compounder class.

(2) *List showing names of staff with academic qualifications and their duties in the Campbell Hospital attached to the Medical School, whether whole-time, part-time or Honorary*

1. Lt.-Col. B. G. Mallya, M.D., F.R.C.S.E., I.M.S., Superintendent of Hospital and in charge of European Small-pox Ward—Part-time Officer.
2. Dr. T. Acharji, M.B., Surgical Ward—Part-time Officer.
3. Dr. N. K. Nag, M.B. (Associate), Honorary—Part-time Officer.
4. Dr. W. Mahmud, Surgical Wards—Part-time Officer.
5. Dr. N. C. Sarvadhikary, M.B., Associate (Honorary)—Part-time Officer.
6. Dr. N. C. Banerjee, M.B., Associate (Honorary)—Part-time Officer.
7. Dr. A. Prodhan, M.B., F.R.C.S., Surgical Ward—Part-time Officer.
8. Dr. S. Sen, M.B., Associate (Honorary)—Part-time Officer.
9. Dr. S. K. Chatterjee, M.B., F.R.C.S.E., Honorary Surgeon, Surgical Ward—Part-time Officer.
10. Dr. N. Sen Gupta, Associate (Honorary)—Part-time Officer.
11. Dr. K. L. Sen, M.B., D.O.M.S. (Lond.), F.R.C.S.E., in charge, Eye Beds (Honorary)—Part-time Officer.
12. Dr. B. B. Ghosh, M.B., D.O.M.S., Associate (Honorary)—Part-time Officer.
13. Khan Sahib Dr. Kabir Hossain, M.B., Teacher in charge of the 1st Medical Wards—Part-time Officer.
14. Dr. B. P. Sur, M.B., M.R.C.S., M.R.C.P., Associate (Honorary)—Part-time Officer.
15. Capt. J. P. Dutt, M.B., Teacher in charge of the Midwifery and Gynaecology Wards—Part-time Officer.
16. Dr. K. P. Mukherjee, M.B., Associate (Honorary)—Part-time Officer.
17. Dr. H. N. Bakshi, I.M.S., Teacher in charge of the Infectious Diseases Wards—Part-time Officer.



18. Dr. S. Gupta, M.B., D.P.H., D.T.M., Associate (Honorary)—Part-time Officer.

19. Dr. B. C. Chatterjee, M.B., D.T.M., D.P.H., Honorary Medical Officer, Infectious Diseases Wards—Part-time Officer.

20. Dr. M. Mitra, M.Sc., M.B., D.P.H., Associate (Honorary)—Part-time Officer.

21. Dr. J. C. Aich, M.B., M.R.C.P.E., D.T.M. & H. (Lond.), Teacher in charge of 2nd Medical Wards—Part-time Officer.

22. Dr. J. N. Sanyal, M.B., Associate (Honorary)—Part-time Officer.

23. Dr. (Miss) Maitrayee Bose, M.D., Honorary Physician, Children's Ward—Part-time Officer.

24. Dr. P. N. Brahmachari, M.B., Associate (Honorary)—Part-time Officer.

25. Capt. M. Mukherjee, M.B., D.M.R.E. (Cantab.), Honorary Radiologist—Part-time Officer.

26. Dr. J. N. Maitra, M.D., Pathologist to Hospital—Part-time Officer.

#### *Out-patients Department.*

(27) Dr. C. B. Roy, B.Sc., M.B., Teacher in charge of the Outpatients Department—Part-time Officer.

#### *Venereal Department.*

28. Dr. J. M. Modak, M.B., CH.B. (Edin.), M.R.C.P. (Edin.), Honorary Venereal Surgeon, Out-patients Department—Part-time Officer.

29. Dr. B. B. Sinha, M.B., Associate (Honorary)—Part-time Officer.

#### *Eye Department.*

30. Capt. K. L. Sen, M.B., D.O.M.S. (Lond.), F.R.C.S.E., Honorary Ophthalmic Surgeon, Out-Patients Department—Part-time Officer.

31. Dr. B. B. Ghosh, M.B., D.O.M.S. (Lond.), Associate (Honorary)—Part-time Officer.

32. Dr. E. B. Siddon, in charge of the Female Out-patients Department—Whole-time Officer.

Each formation has got one Resident Medical Officer. One House Physician or Surgeon and one Registrar.

#### **Students on 1st July 1938.—**

(1) Sex of students—Male 554; Female 45; Total 599.

(2) Maximum number of new admissions annually—About 150.

(3) Age-limits, high and low, for students on admission—No high age-limit. Must be over 15 years.

(4) Standard of general education required on admission to the school—Matriculation or its equivalent in the minimum standard.

**Examinations.—**

(1) Name of examiners at each of the examination—Examiners are appointed by the Governing Body of the State Medical Faculty of Bengal every year.

(2) By whom appointed and for how long at a time—Examiners are appointed by the Governing Body of the State Medical Faculty of Bengal every year.

(3) Percentage of marks required at each examination to obtain a pass—40.

(4) Proportion of students who take all the subjects at the Final Examination—70·7 per cent.

**Financial.—**

(1) Cost to Government or to the body responsible for the school per student per annum in the school—Rs. 605-15-6.

(2) What percentage of students are paid for by—

(a) Government—13·71 per cent.

(b) Local bodies or other agencies—3·42 per cent.

(c) Privately by their guardians—82·87 per cent.

**Equipment.—**

(1) Number of sanctioned beds in attached hospital—717 and average daily number of in-patients—548·64.

(2) Average number of confinement cases per annum during the last three years—671 (1936), 693 (1937) and 685 (1938).

(3) Number of microscopes allotted for the personal use of students in teaching—

(a) Physiology—13.

(b) Pathology—31 including 10 with 1/12 objective.

B. G. MALLIYA, LT.-COL., I.M.S.,

*Superintendent, Campbell Medical School and Hospital.*

CALCUTTA,

*The 16th December 1939.*

TABLE A.

Statement showing the attendance of students of the Campbell Medical School, Calcutta, during the year 1938-39 and the previous year.

Sessions.	Left, died, etc., during the year.										Remained at the end of the year.	Average monthly number of pupils.	Average daily attendance.					
	1	2	3	4	5	6	7	8	9	10				11	12	13	14	15
		Remained on the rolls from the previous year.	Admitted during the year.	Re-admitted during the year.	Admitted on transfer from other Medical Schools.	Total.	Left school after having passed the Final Licentiate Examination of State Medical Faculty of Bengal.	Removed for absence without leave.	Removed for non-payment of school fees.	Removed for failure at the School Test Examination.	Resituated or removed for misconduct.	Transferred to other Medical Schools.	Resigned or left otherwise.	Died.	Total.			
1937-38—																		
Male	..	406	119	25	4	554	58	11	21	23	..	..	10	..	123	431	492.5	176.12
Female	..	28	13	3	1	45	10	..	..	..	..	..	3	..	13	32	38.5	36.77
1938-39—																		
Male	..	431	157	24	4	616	68	..	31	43	..	..	13	..	155	461	506.66	182.14
Female	..	32	20	1	..	53	2	..	1	..	..	..	..	..	3	50	51.66	44.12

TABLE B.

Statement showing the classification of students according to religion and nationality taught in and passed out of the Campbell Medical School, Calcutta, during the year 1938-39.

Classification.	Total number of students taught during the year, i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Examination as L. M. F. or Final Licentiate Examination of State Medical Faculty of Bengal.	
	Male.	Female.	Male.	Female.
1	2	3	4	5
<i>Religion.</i>				
1. Anglo-Indian Christians	1	..	..	..
2. Indian Christians ..	..	1	..	..
3. Hindus— Brahmins ..	103	3	20	..
Non-Brahmins ..	430	37	40	..
4. Muhammadans ..	81	6	8	1
5. Others .. ..	1	6	..	1
Total ..	616	53	68	2
<i>Nationality.</i>				
1. Anglo-Indians ..	1	1	..	..
2. Bengalees .. ..	615	45	68	1
3. Assamese .. ..	..	7	..	1
4. Nepalese, Sikkimese and Tibetan.	..	..	..	..
5. Madrasis .. ..	..	..	..	..
Total ..	616	53	68	2

TABLE C.

Classification according to preliminary general education of the students during the year 1938-39 and the previous year in the Campbell Medical School, Calcutta.

Classification. 1	Hindus.		Muhammadans.		Christians.		Others.	
	Male. 2	Female. 3	Male. 4	Female. 5	Male. 6	Female. 7	Male. 8	Female. 9
B.A. or B.Sc.—								
1937-38 ..	1	..	..	..	..	..	..	..
1938-39 ..	1	..	..	..	..	..	..	..
L.A. or L.Sc.—								
1937-38 ..	42	..	5	..	1	..	..	..
1938-39 ..	29	1	..	..	..	..	..	..
Matriculation—								
1937-38 ..	70	13	27	2	..	..	..	2
1938-39 ..	87	14	39	3	..	1	..	..
Others—								
1937-38 ..	..	..	1	..	..	1	..	..
1938-39 ..	..	..	..	1	..	..	..	1

TABLE D (a).

Statement showing the results of the Compoundership Examinations of the Campbell Medical School, Calcutta, during the year 1938-39 and the previous year.

Sessions.	Re- main- ing from the pre- vious year.	Number of stu- dents admitted during the year.	Total num- ber of stu- dents under train- ing.	Num- ber of stu- dents remo- ved.	Number appeared at the exami- nation in—		Number passed in—	
					March.	Septem- ber.	March.	Septem- ber.
1	2	3	4	5	6	7	8	9
1937-38—								
Regular students ..	67	49	116	14	7	34	7	32
1938-39—								
Regular students ..	56	61	117	20	11	27	9	23

**TABLE D (b).**  
**Statement showing the results of the examinations of the State Medical Faculty of Bengal during the year 1938-39 and the previous year.**

Sessions.	Final Licentiate Examination.						Intermediate Licentiate Examination.						Primary Licentiate Examination.					
	Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.	
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1937-38—																		
Male	66	70	36	22	54.54	31.42	83	52	50	38	60.24	73.07	107	30	75	20	70.09	66.66
Female	8	5	5	5	62.5	100%	5	2	3	2	60%	100%	6	2	3	..	50%	..
1938-39—																		
Male	90	87	38	32	42.22	43.79	83	60	42	42	50.60	70%	94	21	78	17	82.97	80.95
Female	2	2	2	..	100	..	4	1	4	..	100%	..	15	1	14	1	93.33	100%

TABLE

## Statement showing the Income and Expenditure of the Campbell

Hoads of receipts.	Income.			
	1937-38.	1938-39.	Increase.	Decrease.
Receipts from other sources than Government—	Rs.	Rs. a.	Rs. a.	Rs.
School fees ..	56,415	61,702 4	(a) 5,287 4	....
Fines .. ..	113	247 8	134 8	....
Entrance fees ..	1,138	1,317 0	(b) 179 0	....
Miscellaneous ..	765	807 12	42 12	. . .
Mohsin Fund ..	1,080	1,240 0	160 0	....
Income from Investment of Maharaja Scindia Bahadur of Gwalior Trust Fund for prizes.	7	7 0	....	....
Countess of Dufferin Fund (Bengal Branch) and Walter Thompson Female Scholarship Fund.	203	278 12	(c) 75 12	....
Assam Government Female Scholarships.	2,000	1,800 0	. . .	(d) 200
Total ..	61,722	67,400 4	....	....
Receipts from Government	1,01,702	94,148 7	....	....
Total income ..	1,63,424	1,61,548 11	....	....

(a) Increase due to increase in the rates of school fees and greater number of students admitted.

(b) Increase due to greater number of students paid re-admission fees.

(c) Increase due to increased number of stipendiaries.

CALCUTTA :

The 12th September 1938.



E.

**Medical School, Calcutta, during the year 1938-39 and the previous year.**

Heads of expenditure.	Expenditure.			
	1937-38.	1938-39.	Increase.	Decrease.
	Rs.	Rs. a.	Rs. a.	Rs. a.
Establishment ..	1,27,293	1,24,189 15	....	(e) 3,103 1
Scholarships ..	8,915	17,405 0	8,490 0	....
Contingencies ..	3,660	3,811 1	211 1	....
Book allowances ..	481	191 9	....	(f) 289 7
Prizes .. ..	311	327 14	16 14	....
Taxes .. ..	3,816	3,846 11	30 11	....
Buildings and repairs ..	12,709	4,843 0	....	(g) 7,866 0
Stationery and forms ..	480	500 0	20 0	....
Medical and surgical requisites.	2,500	3,098 7	578 0	....
Remuneration to Taxi-dermists.	16	16 6	....	....
Mohsin Fund ..	1,080	1,240 0	160 0	....
Countess of Dufferin Fund (Bengal Branch) and Walter Thompson Female Scholarship Fund.	203	278 12	75 12	....
Assam Government Female Scholarships.	2,000	1,800 0	....	(h) 200
Total ..	1,63,424	1,61,548 11	....	....
	....	....	....	....
Total expenditure ..	1,63,424	1,61,548 11	....	....

(d) Decrease due to less number of stipendiaries

(e) Decrease due to less pay drawn by teachers and demonstrators.

(f) Decrease due to less expenditure on the head.

(g) Ditto ditto.

(h) Decrease due to decrease in the number of stipendiaries.

B. G. Mallya, Lt.-Col., I.M.S.,  
*Superintendent, Campbell Medical School and Hospital.*



# Annual Report of the Dacca Medical School for the year 1938-39.

## I.—Buildings and accommodation.

No new buildings were constructed during the year under report. If the five years' course is to be introduced a new class room will be needed for teaching practical Physiology. Construction of new buildings is likely to be held up in any case, until the question of converting the school into a college is decided.

## II.—Teaching equipment.

No improvement in teaching of Chemistry and Physics under the existing arrangement is possible. Better results in examination could be expected if admission was restricted to students of Matriculation first division or higher standard.

**Anatomy.**—The supply of dead bodies for dissection was better this year on account of the installation of a mortuary cooler. Both senior and junior students were able, therefore, to carry out their dissection better than in the past. Dissection was carried on throughout the year. Special attention was devoted to the further training of plucked students and the examination results in their case showed great improvement. Some anatomical pictures were purchased during the year.

As the mortuary cooler went out of order from time to time the work was interrupted and the necessity of a whole-time mechanic for the cooler was keenly felt.

**Physiology.**—The Department of Physiology carried under the charge of Dr. P. P. Choudhury who was assisted by two demonstrators. The teaching in this department was carried out satisfactorily and the whole syllabus was covered during the year. The results in the examination were fairly satisfactory.

**Materia Medica.**—The department is well equipped. A practical class room will make the department self-contained. The work of the department was satisfactorily carried out by Khan Saheb Dr. M. M. Khan with the assistance of a demonstrator. The teaching in this department is of a high standard and the examination results were as satisfactory as can be expected.

**Pathology.**—The teaching of the subject in all its different aspects, viz., Medical, Surgical and Gynaecological was carried on as usual and in a satisfactory manner. The subject was made interesting and attractive to the students by the Teacher Dr. N. R. Gupta. The materials for teaching were very exhaustive. Owing to the better method of teaching the students have been taking special interest in the subject.

**Hospital practice.**—The hospital is well equipped as far as the teaching is concerned, and the materials that were available were up to the requirement. The students were distributed in different wards according to the requirement of the rule and not according to the necessity of the wards. The students took particular interest in major

operations and were given full facilities in assisting at such operations. Writing out of history of cases placed under clinical charge of students was very strictly enforced. Negligence in general hospital duty was punished by imposition of special duty.

### III.—Attendance of students.

The attendance of students was on the whole satisfactory.

One hundred and three male and 10 female students were admitted during the year under report. The applications for admission were much fewer in number than in past years and the task of the Selection Committee was much easier. All the available Muhammadan and depressed class students were admitted.

**Compounders.**—The teaching in this department is considerably hampered by the fact that the Teacher of the Compounder Class is also the Apothecary of the hospital. His duties as Apothecary are very heavy and responsible and he is unable to devote sufficient time to teaching. A whole-time teacher is urgently required in this department. The teaching received by apprentice compounders in outside dispensaries is far from satisfactory. Only a very few of these students take their teaching in the hospital as they have to pay a fee of Rs. 2 per month if they do so. This is unfortunate as they could be much better trained in a large hospital like the Mitford. The number of students permitted to take their training in outside dispensaries should be strictly limited. The fee charged by Government for second year training in the Mitford Hospital should be abolished.

**Dhai Class.**—To raise the standard of teaching in this class it is essential that better educated students should be admitted to the class. Demand for admission to the class is still on the increase.

**Conduct and education.**—The conduct of students was on the whole satisfactory except in the case of a very few who were expelled from State Medical Faculty examination for taking unfair means in the examination hall. The standard of education of the students seeking admission is deteriorating.

### V.—Examination.

Details are furnished in Table D (b). The result were not up to expectation. This may be partly ascribed to holding of examinations at Calcutta under certain disadvantages to the students of Eastern Bengal and it is hoped that steps will be taken to make better arrangements for students who do not reside in Calcutta or else to re-open the centre of examination at Dacca.

### VI.—Finance.

The details are furnished in Table E. The total receipt from other sources than Government was Rs. 43,990 and total expenditure was Rs. 92,852 against Rs. 45,633 and Rs. 97,393, respectively, of the previous year.

The average primary cost per student educated was Rs. 291 against Rs. 344 of the previous year.

### VII.—General.

Two Sub-Assistant Surgeons and 6 District Board Doctors received post-graduate training during the year under report. In addition to these 2 passed students of the school received Pathological and Bacteriological training on payment of a fee of Rs. 60 per head.

### VIII.—Hostel.

The students of this school live in private messes over which the school authority has no control. They are practically all in debt and many students leave the school without paying their mess dues. The rules do not empower the Superintendent of the School to take any action against these defaulters. Nevertheless attempts are made to assist the messes to realise mess dues by posting notices on the school notice board but this does not help much as no punishment can be meted out to those who ignore the notices. These messes should be placed under Government control.

**Sports.**—The management of the club was carried on satisfactorily. The students took a fairly active interest in sports and they were always encouraged by the staff.

**General.**—The staff of the school worked loyally and energetically throughout the year and did their best to interest the students in various subjects.

Khan Shahab Dr. M. M. Khan, Deputy Superintendent of the School, carried on his duties with his usual zeal and efficiency. It was usually due to his untiring efforts that there was no serious trouble among the students during the year and his capacity for maintaining discipline is excellent.

R. LINTON, MAJOR, I.M.S.,  
*Superintendent, Dacca Medical School.*

Dacca,  
*The 15th August 1939.*

**ANNEXURE.****Teaching equipment.**

Number of sanctioned beds in the hospital—261.

Average daily number of in-patients during the year under report—267·59.

Average number of confinement cases during the last three years—

1936-37	...	...	...	267
1937-38	...	...	...	314
1938-39	...	...	...	1·05 (daily average).

Number of microscopes allotted for personal use of the students—

Physiology—46 students' microscopes with one oil immersion microscope, one demonstration eye piece.

Pathology—18 students' microscopes (10 microscopes with oil immersiona lens).

**Examination.**

Names of examiners at each of the examinations of the Faculty not supplied here. They are appointed by the Governing Body of the Faculty for one year at the first instance. Percentage of marks required at each examination of the State Medical Faculty to obtain a pass is 40 per cent. Proportion of students who take all the subjects at the Final examination vary in different years from 60 per cent. to 65 per cent. (approximately).

**Finance.**

The percentage of educational expenses of the students paid for by different bodies.

	Approximately. Per cent.
Government	...
Local bodies	...
Guardians	...
	15
	5
	80

**Students.**

(1) Sex of the students—

Male—472.

Female—18.

(2) Maximum number of new admissions (annually)—105 (approximately).

(3) Age-limit high or low for students on admission—They must be over 15 years of age before commencing their studies.

(4) Standard of general education required for admission—Matriculation of the Calcutta University or its accepted equivalent, is the minimum standard for admission.

**Staff.**

Lists showing the names of the staff of the Dacca Medical School with their academic qualifications and duties in the school and the hospital are shown in Appendix A.

TABLE A.

Statement showing the attendance of students of the Dacca Medical School during the year 1938-39 and the previous year.

Sessions.	1	2 Remained on the roll from the previous year.	3 Admitted during the year.	4 Re-admitted during the year.	5 Admitted on transfer from other medical schools.	6 Total.	Left, died, etc., during the year.									15 Total.	16 Remained at the end of the year.	17 Average monthly number of pupils.	18 Average daily attendance.
							7 Left school after having passed the Final License Examination.	8 Removed for absence without leave.	9 Removed for non-payment of school fees.	10 Removed for failure in examination.	11 Resuscitated or removed for misconduct.	12 Transferred to other medical schools.	13 Resigned or left otherwise.	14 Died.					
1937-38.																			
Male ..	..	348	99	20	..	467	53	..	10	20	..	2	24	3	112	355	371	290.5	
Female ..	..	12	3	..	..	15	4	..	..	..	..	1	2	..	7	8	41	9.5	
1938-39.																			
Male ..	..	355	103	13	1	472	58	7	20	30	4	..	35	..	154	318	380	266.5	
Female ..	..	8	10	..	..	18	..	..	..	1	..	..	..	..	1	17	17	12.5	

TABLE B.

Classification of students according to religion and nationality taught in and passed out during the year 1938-39 from the Dacca Medical School.

Classification.  1	Total number of students taught during the year, i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Examination as L. M. B. or Final Licentiate Examination of the State Medical Faculty.	
	Male. 2	Female. 3	Male. 4	Female. 5
<i>Religion.</i>				
1. Anglo-Indians ..	..	..	..	..
2. Indian Christians ..	..	5	..	..
3. Brahmins ..	60	2	10	..
4. Non-Brahmins ..	315	11	37	..
5. Muhammadans ..	97	..	11	..
6. Buddhists ..	..	..	..	..
Total ..	472	18	58	..
<i>Nationality.</i>				
1. Anglo-Indian ..	..	..	..	..
2. Bengali ..	472	18(a)	..	..
3. Assamese ..	..	..	..	..
Total ..	472	18	..	..

(a) These include two from Manipur State.







**TABLE D (b).**  
**Statement showing the results of the State Medical Faculty of Bengal during the year 1938-39 and the previous year.**

Sessions.	Final Licentiate Examination.						Intermediate Licentiate Examination.						Primary Licentiate Examination.					
	Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.	
	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.
1937-38.																		
Male ..	99	75	31	22	31.3	29.3	70	46	20	26	28.5	56.5	78	31	40	16	51.2	51.6
Female ..	3	5	2	2	75.	40.	4	Nil	1	Nil	25.	Nil	1	Nil	1	Nil	100.	Nil
1938-39.																		
Male ..	88	79	32	26	29.5	32.9	56	50	32	29	57.7	58.	69	33	34	24	49.2	72.7
Female ..	2	1	Nil	Nil	Nil	Nil	1	3	1	3	100.	100.	10	Nil	8	Nil	80.	Nil

TABLE

## Statement showing the income and Expenditure of the Dacca Medical

Heads of receipts.	Income.			
	1937-38.	1938-39.	Increase.	Decrease.
Receipts from other sources than Government—	Rs.	Rs.	Rs.	Rs.
1. School fees ..	41,468	39,358 8	....	(a) 2,109 8
2. Fines .. ..	907	851 2	....	55 14
3. Entrance fees ..	730	731 0	1 0	....
4. Compounder class fees	1,320	1,635 0	(b) 315 0	....
5. Miscellaneous ..	328	374 8	46 8	....
6. Mohsin Fund ..	880	1,040 0	160 0	....
7. Recovery of service payments.	Nil	Nil	....	....
Total ..	45,633	43,990 0	522 8	2,165 6
Receipts from Government	51,760	48,862 0	....	....
Total income ..	97,393	92,852 0	....	....

(a) The decrease is partly due to larger number of students who enjoyed freeship owing to the award of special scholarship.

(b) Larger number of admissions in compounder class and dresser's training class.

DACCA,

The 18th August 1939.

E.

School during the year 1938-39 and the previous year.

Heads of expenditure.	Expenditure.			
	1937-38.	1938-39.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs. (c)
1. Establishment ..	72,577 0	71,299 13 0	.... (d)	1,277 3
2. Scholarship ..	5,147 0	7,249 12 0	2,102 12 0	....
3. Scholarship from Mohsin Fund.	880 0	1,040 0 0	160 0 0	....
4. Contingencies ..	14,929 8	8,823 8 3	....	6,105 15 9
5. Book allowances ..	369 0	242 0 0	....	127 0
6. Prizes ..	234 0	234 0 0	....	....
7. Taxes ..	868 8	868 8 0	....	....
8. Medicines and instru- ments.	2,388 0	3,094 5 0	706 5 0	....
Total expenditure ..	97,393 0	92,852 0 0	....	....

(c) Due to changes in the staff.

(d) Due to larger number of scholarships (special) awarded to students.

(e) Two apparatus at a cost of more than Rs. 6,000 were purchased last year hence the decrease.

E. G. MONTGOMERY, MAJOR, I.M.S.,  
*Superintendent, Dacca Medical School.*

## APPENDIX A.

Statement showing the particulars of the teaching staff during the year under report.

Serial No.	Name.	Pay and allowances, July 1938.	Duties in School.	Duties in Hospital.
1	2	3	4	5
1	Major E. G. Montgomery, B.A., M.Sc., Ch.B., B.Sc., I.M.S.	Allowance 200	Superintendent ..	†Superintendent.
2	Dr. Dharendra Nath Mitra, M.B. ..	450 S. A. 150	Teacher of Midwifery and Gynaecology	Gynaecologist and in charge of Hare Ward.
3	Dr. Nitya Ranjan Gupta, M.B. (Cal.), M.R.C.P. (Eng.), D.T.M.&H., (Cantab.).	425 S. A. 150	Teacher of Pathology	Medical Officer in charge, 11—Medical Ward.
4	Dr. Prafulla Prashun Chandhury, M.B.	425 110	Teacher of Physiology.	Medical Officer in charge, Eye Ward.
5	Dr. Ramesh Chandra Chakrabarty, M.B.	325 S. A. 85	Teacher of Surgery	Officer in charge, Surgical Ward.
6	Dr. Ganesh Chandra Sarker, M.B. ..	425 S. A. 150	Teacher of Medicine	Medical Officer in charge, 1—Medical Ward.
7	Dr. Md. Muizuddin Khan, Khan Shaheb, L.M.P.*	275 S. A. 100	Teacher of Materia Medica.	‡Medical Officer in charge, Out-patient Department, Medical Side.
8	Dr. Narendra Kishore Roy, L.M.P.* ..	275 S. A. 85	Teacher of Medical Jurisprudence and Hygiene.	§Medical Officer in charge, Out-patient Department, Surgical Side.
9	Dr. Pashupati Bose, M.B., D.T.M.	200	Teacher of Anatomy	....
10	Dr. Nareesh Chandra Palit, L.M.F. ..	175 S. A. 15 H. A. 15	Teacher of Compounders.	Apothecary, Mitford Hospital.
11	Dr. Hemendra Chandra Deb Gupta, L.M.F.	175 H. A. 15	Senior Demonstrator of Anatomy.	....
12	Dr. Zeauddin Ahmed, L.M.P. ..	170 H. A. 15	Demonstrator of Anatomy.	....
13	Dr. Md. Idrish Sha, L.M.F. ..	100	Ditto.	....
14	Dr. Rabindra Nath Chakrabarty, L. M. F.	60	Ditto.	....
15	Dr. Nagendra Nath Bose, L.M.F. ..	175 H. A. 15	Demonstrator of Materia Medica.	....
16	Dr. Khagendra Nath Rose, L. M. F. ..	170 H. A. 15	Senior Demonstrator of Pathology.	Clinical Pathologist, Mitford Hospital.
17	Dr. Syed A. A. Fazlur Rahim, L.M.F.	135	Demonstrator of Pathology.	Ditto.
18	Dr. Mon Mohan Sett, L.M.F. ..	165 H. A. 15	Senior Demonstrator of Physiology.	....
19	Dr. Prabodh Chandra Das, L.M.F. ..	90	Demonstrator of Physiology.	....

\*Promoted to the rank of Assistant Surgeon.

†He was relieved by Major E. Linton, B. Sc., M.B., Ch. B., I. M. S.

‡He is also Deputy Superintendent of the School.

§He was relieved by Dr. Surendra Mohan Lahiri.

||He took over charge from the Senior Demonstrator of Anatomy.

# Annual Report of the Lytton Medical School, Mymensingh for the year 1938-39.

## I.—Building and Accommodation.

1. A revised plan and estimate for providing an anatomical theatre and museum, pathological museum, reading room, store and compounder class room, embalming room and a lavatory have been submitted to the Government. These additions and some alterations to the existing buildings will remove the difficulty at present felt for want of sufficient accommodation for efficient teaching.

An estimate for electrification of the school buildings has been submitted to the Government and their sanction for funds is awaited. This is an urgent necessity.

## II.—Teaching and Equipment.

**Chemistry and Physics.**—These subjects were taught in the local A. M. College according to the syllabus.

**Anatomy.**—The required number of lectures and demonstrations were given. Sufficient dead bodies were available from the S. K. Hospital for dissection and demonstration and we could afford to give one body to 10 students. Government has been approached for a cooling chamber for dead bodies.

**Physiology.**—The actual number of lectures and demonstrations were held.

**Pathology.**—The department did all clinical works for the S. K. Hospital and total of 800 laboratory examinations compared to 834 in 1937-38 were done during the year and shown to the students. The prescribed number of lectures and demonstrations were given.

Six Pathological post-mortems were shown to the students.

The following clinical specimens were examined during the year under report:—

(1) Urine culture	...	...	28
(2) Stool culture	...	...	60
(3) Blood sugar	...	...	14
(4) Bloodcount	...	...	315
(5) Widal	...	...	70
(6) Urine ordinary	...	...	15
(7) Blood culture	...	...	10
(8) Stool ordinary	...	...	35
(9) Smear from Chancre	...	...	5
(10) Sputum ordinary	...	...	112
(11) Kahn re-action	...	...	30

(12) Serous fluid culture	...	...	10
(13) Autovaccine	...	...	25
(14) Pus culture	...	...	5
(15) Agglutination test against dysentery	...	...	4
(16) Section of tumour and tissues	...	...	15
(17) Cerebrospinal fluid culture and count	...	...	4
(18) Throat swab culture	...	...	5
(19) Sputum culture	...	...	4
(20) Vaginal and cervical swab culture	...	...	4
(21) Smear from eye	...	...	4
(22) Urethral discharge	...	...	10
(23) Smear from Leprotic patch	...	...	9
(24) Smear from ulcer	...	...	4
(25) Fractional test meal	...	...	3
Total			800

A few pathological specimens were added to the Muesum.

There are 28 microscopes for use of the students in the Physiology and the pathology department. Of these 6 have 1/12 oil immersion objectives.

**Materia Medica.**—Some more specimens of drugs were obtained for this department and extra equipment was received for practical pharmacy class during the year. Lectures and demonstrations as prescribed in the syllabus were held.

**Medicine.**—More diagrams were secured for this department. The third and fourth year students received clinical teaching at the S. K. Hospital in addition to the prescribed number of lectures. All interesting cases were demonstrated on by the teacher and clinical materials examined and shown to the students in the Hospital laboratory.

Lectures on Leprosy were given by an officer deputed by the British Empire Leprosy Relief Association.

**Surgery.**—In addition to the prescribed number of lectures the senior students received clinical instructions in the wards and were allowed to help the Surgeon at the operations. Students were instructed in the special subjects such as Ophthalmology, Ear, Nose, Throat, Venereal diseases and X-ray diagrams and were shown Pathological specimens at the school and the hospital.

Two bodies were used for Operative Surgery.

**Midwifery and Gynaecology.**—Prescribed number of lectures were given by the teacher. There were enough clinical materials in the hospital for efficient teaching of these subjects. Ante-natal clinic was



established in the S. K. Hospital and students were given instructions in it. The number of confinements were:—

1936-37	...	...	74
1937-38	...	...	95
1938-39	...	...	110

**Medical Jurisprudence and Hygiene.**—Third and fourth year students attended medico-legal post-mortem and Pathological demonstrations. The required number of lectures were delivered and practical demonstrations were given in Hygiene. The students were taken to the trenching ground and the waterworks for the necessary practical instructions. They all had the benefit of seeing the actual constructions of the septic tanks when those were being installed in the S. K. Hospital.

**Tutorial classes.**—In all subjects were held throughout the year both in the school and in the Hospital.

**Compounders' and Dressers' Classes.**—The usual lectures and demonstrations and practical classes were held by the teacher concerned. Twenty eight students were admitted in the Compounders class during the year of which 15 were admitted in the Dressers class as well.

### III.—Conduct, Attendance of students.

The conduct of the students was satisfactory. The details of attendance of students are given in table "A".

### IV.—Examination.

The result of the examination was fair both for the L. M. F. and the compounders. Statements are attached in Table D (a) and Table D(b).

### V.—Finance.

Details are furnished in Table E. Average primary cost per student was Rs. 116 as against Rs. 174 last year. The receipt of the school from other sources than Government was Rs. 24,907 as against Rs. 18,925 last year and the total expenditure was Rs. 44,856 as against Rs. 45,303 last year. The increase in receipt is due to increase in number of students.

### VI.—Changes in the Establishment.

Dr. Satish Chandra Mukherji, M.B., was appointed Teacher of Surgery and Midwifery from 26th July 1938 *vice* Dr. S. N. Ghosh, transferred as Civil Surgeon, Khulna.

Sub-Assistant Surgeon Dr. Madhu Sudan Roy Choudhury acted as Teacher of Physiology and Pathology *vice* Sub-Assistant Surgeon

Dr. Brajendra Nath Ghosh who was granted leave from 4th July 1938 to 27th August 1938 and Sub-Assistant Surgeon Dr. Jogesh Chandra Chakravorty, D.T.M., was appointed Teacher of Physiology and Pathology from 30th August 1938.

Sub-Assistant Surgeon Dr. Md. Anwarul Huq was appointed Demonstrator of Anatomy *vice* Sub-Assistant Surgeon Dr. M. Hussain transferred.

### VII.—Staff of the School.

#### Superintendent—

Lt.-Col B. H. Singh, M.C., M.R.C.O.G. (Lond.), M.R.C.S. (Egn.), L.R.C.P. (Lond), I.M.S. (part-time).

#### Dy. Superintendent—

Dr. Jogendra Kumer Chakravorty, L.M.P., Teacher of Anatomy, also Sub-Assistant Surgeon (whole-time).

#### Teachers—

- (1) Surgery and Midwifery—Dr. Satish Chandra Mukherji, M.B., Assistant Surgeon (whole-time).
- (2) Medicine and Materia Medica—Dr. Manindra Nath Mallick, M.B., Assistant Surgeon (whole-time).
- (3) Jurisprudence ad Hygiene—Dr. Ananta Mohan Datta, M.B., Assistant Surgeon (part-time).
- (4) Pathology an Physiology—Dr. Jogesh Chandra Chakravorty, L.M.F., D.T.M., Sub-Assistant Surgeon.

#### Demonstrators—

- (1) Materia Medica and Teacher of Compounder class Dr. Harsh-nath Bhattacharjya, L.M.P., Sub-Assistant Surgeon (whole-time).
- (2) Pathology—Dr. Madhu Sudhan Roy Choudhury, L.M.P., Sub-Assistant Surgeon (whole-time).
- (3) Physiology—Dr. Bibhuti Bhūsan Sarker, L.M.F., D.T.M., Sub-Assistant Surgeon (whole-time).
- (4) Anatomy—Dr. Md. Anwarul Huq, L.M.F., Sub-Assistant Surgeon (whole-time).
- (5) Anatomy—Dr. Anil Banjan Banarji, L.M.F., Sub-Assistant Surgeon (whole-time).

### VIII.—Hostel.

There is none, but students rent houses as messes recognised by the school authorities and under their supervision as per Surgeon-General with the Government of Bengal's rules for messes.

### IX.—Athletic Club.

Students played football, cricket, hockey, volley ball, tennis and badminton and practised rowing and barbells.

### X.—Library.

The total number of books in the library at present is 291. It is well equipped with text books and reference books. Fourteen books were purchased at a cost of Rs. 133 during the year.

The following journals were subscribed :—

- (1) Indian Medical Gazette.
- (2) ARS Medici.
- (3) Journal of Obstetrics and Gynæcology.

### XI.—Students.

- (1) Sex of students—All male.
- (2) Annual admission—Average maximum number 55.
- (3) Age of students on admission—Over 16 years.
- (4) Standard of general education for admission—Matriculation Examination.

### XII.—Hospital.

The Surjya Kanta Hospital, Mymensingh, is the teaching hospital to Lytton Medical School, Mymensingh and is also a training institution for nurses for junior certificates.

Staff of the hospital during the year under report :—

#### (I) Superintendent—

- (a) Lt.-Col. B. H. Singh, M.C., M.R.C.O.G. (Lond), M.R.C.S. (Eng.), L.R.C.P. (Lond.), I.M.S., Civil Surgeon (part-time).

#### (II) Dy. Superintendent—

Government Assistant Surgeon—Dr. A. M. Datta M.B., (whole-time).

#### (III) Government Assistant Surgeon—

Dr. S. N. Ghosh, M.B. (part-time), from 1st January 1938 to 20th July 1938.

Dr. S. C. Mukherji, M.B. (part-time) from 26th July 1938.

Dr. M. N. Mallick, M.B. (part-time).

#### (IV) Govt. Sub-Asstt. Surgeon—

Dr. T. N. Bhattacharjya, L.M.F. (in charge of male outpatient department) (whole-time).

Dr. M. S. Roy Choudhury, L.M.F. (Demonstrator of Pathology in charge of Clinical laboratory of this Hospital) (part-time).

**Lady Doctor—**

Dr. (Miss) R. Thapa, L.M.F. In charge of female out patient department.

**(V) Medical Officers (Honorary)—**

1. Dr. Pranesh Chandra Mazumder, M.B., Ear, Nose and Throat Department—Out Patients.
2. (a) Dr. Paresh Chandra Roy, M.B., Gynaecologist and Obstetrician (in charge of Antenatal Clinic).  
(b) Dr. Manmatha Nath Roy, L.M.F., L.M. (Dublin), Gynaecologist and Obstetrician.
3. (a) Dr. A. K. Talukder, L.M.F. Eye Department, Indoor and Outdoor (part-time).  
(b) Dr. H. N. Chakravorty, L.M.F., Eye Department, Indoor and Outdoor (part-time).
4. Dr. N. K. Ghosh, Dentist, Out-Patients Department (part-time).
5. Dr. J. M. Das, L.M.F., Registrar (part-time).
6. Dr. A. K. Dutta, M.B., Chest Department, Out-Patients Department (part-time).

**(VI) House Staff—**

- (a) Paid—There were 2 of them. They are passed students of the Lytton Medical School, Mymensingh. They help the teachers in charge of Surgical and Medical and Gynaecological wards of S. K. Hospital, Mymensingh, at an honorarium of Rs. 20 per month. Tenure of their service is for six months only.
- (b) Honorary—There were 13 of them in all with a tenure of service for 6 months.

**(VII) Nursing Staff—**

**Matron—**

1. (Mrs. L. Bell) (from 1st January 1938 to 15th November 1938).
2. Mrs. L. Dare (from 16th November 1938 to 31st December 1938 (holding senior certificate in nursing and Midwifery).

Staff Nurses—4.

Pupil Nurses—12.

**(VIII) The following improvements in the S. K. Hospital were done during the year under report:—**

- (1) Extension of Maternity and Gynaecological Block with a new labour room and upto-date arrangements at a cost of Rs. 10,000 was completed during the year.

- (2) Construction of a casualty block with six casualty beds and a separate operation theatre with dressing room and separate rooms for male out-door, for the officers on duty and for the duty students, at a cost of Rs. 7,730 was completed during the year.
- (3) Installation of several septic tank latrines in place of existing service privies which was under construction was completed during the year.
- (4) Number of beds is increased from 130 to 132.
- (5) Total number of patients treated during the year 1938 was 23,555 as compared with 24,129 in the previous year.
- (6) Number of operations performed in the year 1938, 1,177 as compared with 932 in the previous year.
- (7) Average daily number of in-patients in 1938 was 111.77 as compared with 105.71 in the previous year.
- (8) Annual income and expenditure for 1938—

			Rs.
Income	...	...	52,559
Expenditure	...	...	51,090

- (9) Number of confinement cases during the last three years—

1936	...	...	74
1937	...	...	95
1938	...	...	110

- (10) Arrangement of electro-therapy by ultra-violet and infra-red-ray has been made.
- (11) Ante-natal clinic has been opened in Out-patients Department.
- (12) Tuberculosis Clinic has been opened in the Out-patients Department.
- (13) Drains of the hospital have been improved.

### XIII.—General Notes.

**School Office.**—Sub-Assistant Surgeon Dr. Jogendra Kumer Chakravorty, L.M.P., Teacher of Anatomy, carried out the duties of the Deputy Superintendent of the school in addition to his own, very satisfactorily and kept up the standard of discipline amongst the students. He deserves promotion to the selection grade, for which I strongly recommend him.

B. H. SINGH, LT.-COL., I.M.S.,

*Superintendent, Lytton Medical School, Mymensingh..*

**MYMENSINGH,**

*The 3rd August 1939.*



**Statement showing the attendance of students of the Lytton Medical School, Mymensingh, during the year 1932-39 and the previous year.**

[illegible]

TABLE B.

Classification of students according to religion and nationality taught in and passed out during the year 1938-39 from the Lytton Medical School, Mymensingh.

Classification.  1	Total number of students taught during the year, i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Examination as L.M.F. or Final Licentiate Examination of the State Medical Faculty.	
	Male. 2	Female. 3	Male. 4	Female. 5
<i>Religion.</i>				
1. Hindus—				
(a) Brahmin ..	81	..	8	..
(b) Non-Brahmin ..	127	..	17	..
2. Muhammadan ..	10	..	3	..
Total ..	218	..	28	..
<i>Nationality.</i>				
Bengalees .. ..	218	..	28	..



TABLE C.

Classification according to preliminary general education of the students admitted during the year 1938-39 and the previous year in the Lytton Medical School, Mymensingh.

Classification.	Hindus.		Muhammadans.		Christians.		Others.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	2	3	4	5	6	7	8	9
<b>1937-38—</b>								
B.A. or B.Sc. ..	2	..	..	..	..	..	..	..
I.A. or I.Sc. ..	2	..	..	..	..	..	..	..
Matriculation ..	47	..	3	..	..	..	..	..
<b>1938-39—</b>								
B.A. or B.Sc. ..	..	..	..	..	..	..	..	..
I.A. or I.Sc. ..	6	..	..	..	..	..	..	..
Matriculation ..	48	..	2	..	..	..	..	..

**TABLE D(a).**

**statement showing the results of Compoundership Examinations held at the Lytton Medical School, Mymensingh, during the year 1938-39 and the previous year.**

[illegible]



TABLE

Statement showing the Income and Expenditure of the Lytton Medical

Heads of receipts.	Income.			
	1937-38.	1938-39.	Increase.	Decrease.
	2	3	4	5
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Receipts from other sources than Government—				
Opening balance ..	....	....	....	....
School fees .. ..	16,595	21,918	(a) 5,323	....
Fines .. ..	350	301	....	49
Entrance fees ..	399	416	17	....
Compounder class fees ..	588	738	150	....
Miscellaneous ..	163	224	61	....
District Board Fund ..	750	710	....	40
Mohsin Fund ..	80	600	(b) 520	....
Total ..	18,952	24,907	6,071	89
Receipts from Government	26,378	19,949	....	6,429
Total income ..	45,303	44,856	6,071	6,518

(a) Due to moer number of students.

(b) Due to more money drawn.

MYMENSINGH,  
The 3rd August 1938.

E.

**School, Mymensingh, during the year 1938-39 and the previous year.**

Heads of expenditure.  6	Expenditure.			
	1937-38. 7	1938-39. 8	Increase. 9	Decrease. 10
	Rs.	Rs.	Rs.	Rs.
Establishment ..	33,608	31,954	....	(c) 1,654
Travelling allowance ..	2 039	1,298	....	(d) 741
Scholarship from Govern- ment.	2,182	2,948	(e) 766	....
Stipend from District Board.	750	710	....	40
Stipend from Mohsin Fund.	80	600	520	....
Prizes .. ..	244	244	....	....
Taxes .. ..	855	855	....	....
Contingencies ..	3,935	4,492	(f) 557	....
Medicines and Instruments	1,610	1,755	145	....
Purchase of books out of Library Fund.	....	....	....	....
Total Expenditure ..	45,303	44,856	1,988	2,435
Closing balance ..	....	....	....	....
Grand Total ..	45,303	44,856	1,988	2,435

(c) Due to less expenditure.

(d) ditto ditto.

(e) Due to more expenditure.

(f) ditto ditto.

**B. H. SINGH, LT.-COL., I.M.S.,**  
*Superintendent, Lytton Medical School, Mymensingh.*



# **Annual Report of the Ronaldshay Medical School, Burdwan for the year 1938-39.**

## **I.—Introductory.**

The work of the session 1938-39 commenced on the 2nd July 1938, 46 students were admitted into the 1st year class during the year under report and the total strength of the school at the beginning of the session was 220.

The school was inspected by Major General P. S. Mills, C.I.E., I.M.S., on the 1st May 1938 and by the Inspection Committee of the State Medical Faculty, Bengal, on the 8th January 1939.

The Re-union of the past and present students of the school was held as usual in January 1939. An exhibition in connection with the re-union was held in the ground in front of the hostel building. Several leading firms of Calcutta exhibited products of medical interests. Hon'ble Sir Bijoy Chand Mahtab, G.C.I.E., K.C.S.I., I.O.M., Maharajadhiraja Bahadur of Burdwan kindly performed the opening ceremony.

In the winter months the following officers delivered the Burdwan Raj Lectures on the subjects noted against their names which were attended by the staff and students of this school, local medical practitioners and the medical officers of the district board and municipality.

- (1) Lt.-Col. P. F. Gow, I.M.S.—Pregnancy and its management with special reference to ante-natal clinics and ante-natal work.
- (2) Bt.-Col., R. N. Chopra, I.M.S.—The modern treatment of malaria.
- (3) Dr. R. B. Lal, M.B., B.S., D.P.H., D.T.M. and H., D.B.—Prevention of cholera (rather from public health side but also treatment).
- (4) Dr. L. E. Napier, M.R.C.P.—Anæmias in Bengal.
- (5) Dr. M. N. De, M.B., M.R.C.P.—Common respiratory diseases of Bengal with special reference to the pneumonias.
- (6) Dr. A. C. Ukil, M.B., M.S.P.E.—The problem of tuberculosis in Bengal.

Dr. B. N. Ghosh, Leprosy Propaganda Officer, Bengal, delivered a series of lectures on leprosy to the senior students of this school during the year.

## **II.—Buildings and Accommodation.**

No important additions or alterations of the school buildings took place during the year.

The existing buildings were maintained in good condition.

**Allotment of funds is necessary for the following new works:—**

- (a) Construction of sanitary latrines in the hostel attached to this school.
- (b) Electric installation in the hostel building.
- (c) Acquisition of a plot of land in front of the school building for extension of the school and for improving the sanitary condition of the surroundings.
- (d) Construction of a room for the durwan of the hostel at the hostel gate for attending students going in and out of the hostel at unusual hours.
- (e) Construction of a room for the choudidar and a cycle shed in the school premises.
- (f) Construction of a common room and a gymnasium shed for use of students in the school premises.

### **III.—Teaching and Equipment.**

**Chemistry and Physics.**—The usual lectures and demonstrations were regularly held. The department is fairly equipped with necessary appliances for teaching up to the required standard.

**Anatomy.**—The Anatomical Museum is fully equipped with sets of bones, diagrams and models. Lectures and demonstrations were regularly held. Forty-three dead bodies received from the Burdwan Fraser Hospital were dissected by students.

A refrigerator is urgently necessary for this department.

**Materia Medica.**—The usual lectures and demonstrations were regularly held.

The department is fully equipped with necessary drugs, specimens and appliances. The drugs are systematically arranged in proper show cases to facilitate demonstration.

**Physiology.**—The department is fairly equipped. There are 53 diagrams, 16 microscopes and one oil immersion lense in this department. Besides the usual lectures and demonstrations, bio-chemical investigations on materials received from the Burdwan Fraser Hospital were carried out for demonstration to students. We are badly in want of an Epidiascope.

**Surgery.**—Besides attending the prescribed course of lectures the students attended all surgical operations in batches.

The senior students were given opportunities of helping the Surgeons in operation at the hospital and were also trained to perform minor operations. Interesting surgical cases were regularly demonstrated to the students.

**Medicine.**—The prescribed course of lectures were delivered by the teacher. Clinical demonstrations were given in the ward daily throughout the year. In the ward the students were taught the methods of physical examination, laboratory examination, application of clinical instruments and interpretation of radiograms, required for arriving at the correct diagnosis and prognosis of a case. They were also taught the elements of practical Therapeutics and the procedure to be observed in following up a case.



**Midwifery and Gynaecology.**—The required number of lectures were delivered by the teacher. The students received clinical teaching in the L. C. F. ward of the Burdwan Fraser Hospital. There were 112 labour cases which the students attended and out of these 14 were instrumental deliveries. One hundred and nineteen Gynæcological operations were performed in this ward during the year under report in which the students assisted the teacher. Mechanism of labour (normal and abnormal) and uses and applications of commoner obstetrical instruments were demonstrated on the dummy regularly to the students.

**Medical Jurisprudence.**—The teacher concerned delivered the usual lectures as prescribed in the syllabus, 61 medico-legal post-mortems were held during the year which the students had the opportunity of witnessing.

**Hygiene.**—The usual lectures and demonstrations were regularly held. The department is fairly equipped with a set of diagrams and models. Six practical field demonstrations were conducted by the teacher concerned during the year under report.

**Pathology.**—The prescribed lectures and demonstrations were regularly held. The department is equipped with 17 microscopes of which 9 are provided with oil immersion lenses and 8 with mechanical stages.

The pathological museum has been much improved. The old specimens have been turned out where considered necessary owing to their being poor specimens and new ones have been freshly mounted. The total number of specimens in the museum at present is 162 which is inadequate. Efforts are being made to provide the museum with more specimens.

A detailed description of the work done in the Pathological Department during the year is given below:—

(A) Pathological post-mortem examinations ... 16

(B) Clinical and Bacteriological works done:—

(1) Blood—

(a) Count	...	986
(b) Parasites (M. P.)	...	586
(c) Aldehyde test	...	326
(d) Antimony test	...	326
(e) Widal test (for T. A. B.)	...	50
(f) Culture	...	35
(g) Khan test	...	1
(h) Non-protein nitrogen	...	5
(i) Sachh Georges test	...	63
(j) Blood sugar estimation	...	18
(k) Blood for filaria	...	3
(l) L. D. bodies	...	1
(m) Urea concentration test	...	24

## (2) Urine—

(a) Chemical and microscopical examination ...	778
(b) Urea estimation ...	11
(c) Sugar estimation ...	3
(d) Culture ...	28

## (3) Stool—

(a) Microscopical examinations ...	606
(b) Culture ...	26
(4) Sputum for microscopical examination ...	351
(5) Culture ...	2
(6) Smear for lepra bacillus ...	3
(7) Test meal estimation ...	20
(8) Cerebro-spinal and paracentric fluid for cytological test and culture ...	68
(9) Throat swab ...	22
(10) Pus and discharge for microscopical exami- nation ...	33
(11) Microsection for pathological tissue ...	19
(12) Pus and discharge for culture and vaccine ...	12
Total	4,422

**Compounders' and Dressers' classes.**—The usual lectures, demonstrations and practical classes were regularly held. Ten students were admitted into the compounders' class during the year under report and of these nine joined the dressers' class as well.

**Hostel.**—There is a Government Hostel attached to this institution. It has accommodation for 100 boarders in separate cubicles. Government sanction for the installation of electric lights and flush latrines is being awaited.

**Library.**—The total number of books in the library at present is 726. The students are allowed to read books in the library and those who deposit Rs. 10 (caution money) are allowed to borrow books from the library for 15 days at a time. Four new books were purchased for the library this year.

Major K. S. Fitch, I.M.S., the late Superintendent of this school kindly made a present of twelve valuable medical books to the school library during the year under report.

**Athletic club.**—A spacious football ground and also tennis, badminton and lawn tennis courts are maintained by the Athletic club of the school. The students take part in the following games:—

*Out-door.*—Football, hockey, tennis, badminton, voley ball and gymnastics.

*In-door.*—Carrom and ping-pong.

**Change of Establishment.**—In the year under report the following officers held charge of the office of the Superintendent for the periods noted against their names:—

- (1) Lt.-Col. P. Banerjee, I.M.S., from 1st April 1938 to 22nd April 1938.
- (2) Lt.-Col. N. C. Kapur, I.M.S., from 23rd April 1938 to 6th November 1938.
- (3) Major K. S. Fitch, I.M.S., from 7th November 1938 to 31st March 1939.

Dr. S. N. Mukherjee, M.B., was appointed as Teacher of Surgery of this school with effect from the 18th June 1938, *vice* Dr. R. C. Chakravarty, M.B., transferred to Dacca Medical School.

Dr. Amalananda Das, M.B., M.R.C.S., M.R.C.P., was appointed as Teacher of Chemistry, Physics and Medical Jurisprudence of this school, with effect from the 29th June 1938, *vice* Dr. S. N. Mukherjee, M.B., appointed as Teacher of Surgery of the school.

Dr. R. R. Roy, M.B., was appointed as Teacher of Midwifery and Materia Medica of this school with effect from the 13th October 1938, *vice* Dr. Chunilal Mukherjee, M.B., transferred to Calcutta Medical College.

Dr. R. P. Roy, L.M.F., D.T.M., was appointed as Teacher of Pathology and Physiology of this school with effect from the 13th October 1938, *vice* Dr. B. B. Mukherjee, L.M.F., retired.

Dr. A. K. Chakravarty, L.M.F., was appointed as Demonstrator of Anatomy of this school with effect from the 4th April 1938, *vice* Dr. S. K. Sinha, L.M.F., L.T.M., transferred to the post of the Demonstrator of Pathology of this school.

Dr. S. K. Sinha, L.M.F., L.T.M., was appointed as Demonstrator of Pathology of this school with effect from the 2nd April 1938, *vice* Dr. S. B. Ghosh, L.M.F., D.T.M., transferred to Chittagong Medical School.

#### Staff of the School.

1. Capt. K. C. Sen Gupta, M.B., Superintendent (part-time).
2. Dr. P. B. Bhattacharjee, M.B., D.T.M., Teacher of Medicine (part-time).
3. Dr. Amalananda Das, M.B., M.R.C.P., Teacher of Physics, Chemistry and Medical Jurisprudence (part-time).
4. Dr. R. R. Roy, M.B., Teacher of Midwifery and Materia Medica (part-time).
5. Dr. Sailendra Nath Mukherjee, M.B., Teacher of Surgery (part-time).
6. Dr. P. K. Bhattacharjee, L.M.F., Teacher of Anatomy and Hygiene (whole-time).
7. Dr. R. P. Roy, L.M.F., D.T.M., Teacher of Physiology and Pathology and Deputy Superintendent (whole-time).
8. Dr. D. N. Duttagupta, L.M.F., Demonstrator of Materia Medica and Teacher of Compounders' class (whole-time).

9. Dr. A. P. Banerjee, L.M.F., Demonstrator of Chemistry and Physics (whole-time).

10. Dr. P. K. Mukherjee, L.M.F., Demonstrator of Physiology (whole-time).

11. Dr. A. K. Chakravarty, L.M.F., Demonstrator of Anatomy (whole-time).

12. Dr. S. K. Sinha, L.M.F., L.T.M., Demonstrator of Pathology (whole-time).

13. Dr. B. M. Sen Gupta, L.M.F., L.T.M., Demonstrator of Anatomy (whole-time).

#### Staff of the Hospital.

1. Capt. K. C. Sen Gupta, M.B., Superintendent (part-time).

2. Dr. P. B. Bhattacharjee, M.B., D.T.M., Officer-in-charge of Medical Ward (part-time).

3. Dr. S. R. Das Gupta, M.B., Assistant Surgeon-in-charge of the Hospital (whole-time).

4. Dr. S. N. Mukherjee, Officer-in-charge of the Surgical Ward (part-time).

5. Dr. Amalananda Das, M.B., M.B.C.P., Officer-in-charge, Outdoor Department (part-time).

6. Dr. R. R. Roy, M.B., Officer-in-charge, Obstetrical and Gynaecological Ward (part-time).

7. Dr. S. M. Bhattacharjee, B.Sc., M.B., Honorary Physician, Medical Ward (part-time).

8. Dr. A. K. Lahiri, M.B., L.M., Honorary Visiting Physician, Outdoor Department (part-time).

9. Dr. R. P. Roy, L.M.F., D.T.M., Clinical Pathologist and Bacteriologist (part-time).

10. Dr. B. B. Mukherjee, L.M.F., Honorary Pathologist (part-time).

11. Dr. S. K. Sinha, L.M.F., L.T.M., Pathologist (part-time).

12. Dr. B. N. Sengupta, L.M.F., L.T.M., Honorary Pathologist (part-time).

13. Dr. B. M. Sengupta, L.M.F., L.T.M., Radiologist (part-time).

14. Miss M. Singh, L.M.F., Lady Doctor, Out-patients' Department (whole-time).

15. Dr. A. B. Mukherjee, L.M.F., Registrar (whole-time).

**Students.**—The conduct of students was good and their attendance was satisfactory. The details of the attendance of students are given in the table "A" and the result of the State Medical Faculty Examinations is shown in table "D (b)". One hundred and seven applications for admission were received and 46 students were admitted into the first year class during the year under report.

(1) Sex of students—Male.

(2) Number on the roll in July 1938—220.

(3) Maximum number of new admission annually—50.

(4) Age-limit high and low for students on admission—There is no high age-limit. Students on admission must be over 15 years of age.

(5) Standard of general education required for admission—Matriculation or its equivalent is the minimum standard.

### Examinations.

(1) Names of examiners at each of the examination—Vide appendix "A".

(2) By whom appointed and for how long at a time—Vide appendix "A".

(3) Percentage of marks required at each examination to obtain a pass—40 per cent.

(4) Proportion of students who take any subjects at the final examination—58·7 per cent.

### Financial.

The total receipt of the school other than from Government during the year was Rs. 29,013, and the total expenditure Rs. 43,809 as against Rs. 22,087 and Rs. 53,243 of the previous year. The details of receipt and expenditure for the last 2 years are given in table "E".

(1) The average primary cost to Government per student per annum was Rs. 135 against Rs. 165 of the previous year.

(2) Percentage of students paid for by—

(a) Government—25 per cent.

(b) Local bodies—4 per cent.

(c) Privately by guardians—71 per cent.

### Hospital.

The Burdwan Fraser Hospital is the clinical institution for the students of this school. The following improvements were effected in the hospital during the year under report:—

(a) Improvement of the X-ray apparatus.

(b) Provision of ultra-violet ray apparatus, infra-red lamp and pantostat.

(c) All beds have been made bug proof and provided with a Mackintosh rubber sheet, 3 draw sheets, 3 bed sheets, a mattress, a pillow and a mosquito net.

(d) The operation theatre has been provided with a shadowless lamp and a high pressure sterilizer.

(e) The old female ward has been totally renovated with more doors and skylights and with patent stone floor and wall up to 4 feet. The building for the infectious ward has also been thoroughly repaired.

(f) The Lady Carmichael Female Ward has been repaired and provided with a small operation theatre.

(g) Construction of the new Jubilee ward and renovation of the old out-door.

2. Total number of beds in the hospital—150.
3. Average daily number of In-patients—126.26.
4. Average daily number of Out-patients—186.
5. Total number of confinement cases—

1936-37	...	...	...	80
1937-38	...	...	...	95
1938-39	...	...	...	112

6. Total number of operations—

(a) Surgical	...	...	2,708
(b) Gynaecological	...	...	119

### Equipment.

Number of microscopes allotted for the personal use of students in teaching:—

- (a) Pathology—17 (9 of these are provided with oil immersion lenses and 8 with mechanical stages).
- (b) Physiology—16 (of these one is provided with oil immersion lens).

**General notes.**—The Inspection Committee of the State Medical Faculty, Bengal, is pressing for the appointment of separate teachers for individual subjects. Government have already sanctioned the appointment of separate teachers in their order No. 4490Medl., dated the 5th December 1938, and it is hoped that the scheme will be given effect to within the currency of the present financial year.

The appointment of three clinical assistants to help the teachers in charge of the Medical, Surgical and Gynaecological Wards of the Hospital on a pay of Rs. 20 each per month as approved by the Government in their order No. 1738Medl., dated the 31st May 1930, is also a pressing need and it is hoped that funds will soon be allotted for this purpose.

The students took part in sports and showed much improvement over the previous year.

The staff worked honestly and faithfully and they worked in co-operation. The Deputy Superintendent of the School and Superintendent of the Hostel, Sub-Assistant Surgeon Dr. R. P. Roy, L.M.F., D.T.M., showed zeal and untiring energy in the management of the school. I would recommend him for promotion to the Assistant Surgeon's rank.

K. C. SEN GUPTA,

*Superintendent, Ronaldshay Medical School, Burdwan,*

BURDWAN,

*The 30th July 1939.*



TABLE " B ".

Classification of students according to religion, nationality taught and passed out, during the year 1937-38, from the Ronaldshay Medical School, Burdwan.

Classification.	Total number of students taught during the year i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Examination as L. M. F. or Final Licentiate Examination of the State Medical Faculty of Bengal.	
	Male.	Female.	Male.	Female.
1	2	3	4	5
<i>Religion.</i>				
1. Hindu—				
(a) Brahmins ..	75	..	11	..
(b) Non-Brahmins ..	132	..	10	..
2. Muhammadans ..	13	..	2	..
3. Christians ..	..	..	..	..
Total ..	220	..	23	..
<i>Nationality.</i>				
Bengalees ..	210	..	23	..
Non-Bengalees ..	10	..	..	..



TABLE "D".

Classification according to preliminary general education of the students admitted and readmitted during the year 1938-39 and the previous year, in the Ronaldshay Medical School, Burdwan.

Classification.	Hindus.		Muhammadans.		Christians.		Others.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	2	3	4	5	6	7	8	9
B.A. or B.Sc.—								
1937-38 ..	Nil	..	..	..	..	..	..	..
1938-39 ..	..	..	..	..	..	..	..	..
I.A. or I.Sc.—								
1937-38 ..	5	..	..	..	..	..	..	..
1938-39 ..	8	..	..	..	..	..	..	..
Matriculation or other equivalent examinations—								
1937-38 ..	70	..	6	..	..	..	..	..
1938-39 ..	41	..	3	..	..	..	..	..

TABLE "D(a)".

Statement showing the results of Compoundership Examinations held at the State Medical Faculty of Bengal, during the year 1938-39 from the Ronaldshay Medical School, Burdwan.

Sessions.	Re- main- ing from the pre- vious year.	Number of stu- dents admit- ted during the year.	Total num- ber of stu- dents under train- ing.	Num- ber of students remo- ved.	Number of students who ap- peared at the exami- nations.		Number passed.	
					6		7	
1	2	3	4	5	Septem- ber.	March.	Septem- ber.	March.
1937-38.								
Male—								
Regular students ..	3	10	36	..	16	7	9	1
Outside students ..	23	..	..	..	..	..	..	..
1938-39.								
Male—								
Regular students ..	2	10	} 27	..	10	5	7	3
Outside students ..	15	..						

TABLE "D (b)".

Statement showing the results of the examinations of the State Medical Faculty of Bengal, during the year 1938-39 and the previous year of the Ronaldshay Medical School, Burdwan.

Sessions.	Final Examination.				Intermediate Examination.				Primary Examination.									
	Number appeared.		Number passed.		Percentage of success.		Number appeared.		Number passed.		Percentage of success.							
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	April Examination.	October Examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.
	36	26	13	11	36.1	42.3	43	22	16	13	37.2	59.09	63	6	36	5	57.1	83.3
1937-38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1938-39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE

## Statement showing the Income and Expenditure of the Ronaldshay Medical

Heads of receipts.  1	Financial years.			
	1037-38.	1938-39.	Increase.	Decrease.
	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Receipts from sources other than Government—				
(1) School fees ..	16,160	22,016	(1) 5,856	....
(2) Fines ..	338	321	....	17
(3) Admission fee ..	385	270	....	(2) 115
(4) Readmission fee	78	36	....	42
(5) Hostel rent ..	3,948	5,264	(1) 1,316	....
(6) Miscellaneous ..	198	326	(1) 128	....
7) Tuition fee from compounders and dressers.	300	300	....	....
(8) Mohsin Fund ..	680	480	....	200
Total ..	22,087	29,013	7,300	374
Receipts from Government	31,156	14,796	....	16,360
Grand Total ..	53,243	43,809	7,300	16,734

(1) Due to the increase in the number of students.

(2) Due to the smaller number of new admission.

BURDWAN,

The 30th July 1938.

"E".

School, Burdwan, during the year 1938-39 and the previous year.

Heads of expenditure.	Financial years.			
	1937-38.	1938-39.	Increase.	Decrease.
6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.
Establishment ..	43,365	34,228	....	(a) 9,137
Travelling allowance	561	442	....	(b) 119
Scholarships from—				
(1) Government ..	2,162	2,643	(c) 481	....
(2) Mohsin Fund ..	680	480	....	(d) 200
Contingencies ..	2,588	2,400	....	(e) 188
Purchase of books ..	200	50	....	(e) 150
Medals and prizes ..	232	235	3	....
Rent, rates and taxes ..	1,944	2,004	(f) 60	....
Medical and Surgical Requisites.	798	1,162	(g) 364	....
Stationery and forms ..	70	80	10	....
Other contingencies ..	643	85	....	(e) 558
Supplies and services ..	....	....	....	....
Total ..	53,243	43,809	918	10,352

(a) Due to changes in establishment.

(b) Due to smaller number of transfer of staff.

(c) For Muslim and Schedule I caste scholarships.

(d) Owing to the award of Mohsin stipend to a smaller number of students.

(e) Due to the surrender of 5 per cent. of the total of contingency grant to Government.

(f) Owing to the increase in the rate of municipal taxes.

(g) For local purchase of scores.

K. C. SEN GUPTA,  
Superintendent, Ronaldshay Medical School, Burdwan.



# Annual Report of the Chittagong Medical School for the year 1938-39.

## I.—Buildings and accommodation.

The following additions were made to the existing buildings:—

- (a) Providing of iron gratings to the windows of the *Materia Medica* Department and the Library room at a cost of Rs. 84.
- (b) Installation of electric lights and fans at a cost of Rs. 4,413.  
The annual repair work was done as usual.

## II.—Teaching and equipment.

**Chemistry and Physics.**—The classes in Chemistry and Physics for the first year students were held in the Chittagong College as before, and were carried out satisfactorily.

**Anatomy.**—Lectures and demonstrations on the subject were held in excess of the requisite number prescribed and were given throughout the year with the help of models, diagrams, bones, etc. Fourteen cadavers were procured from the General Hospital, Chittagong, for dissection purposes. This number of bodies was hardly sufficient to meet the bare requirements.

**Physiology.**—The regular lectures and demonstrations were given in excess of the requisite number prescribed. The lectures were illustrated by diagrams and instruments. Demonstrations on various instruments were given and experiments on frogs, tadpoles, etc., were performed in addition to the routine and practical classes. There are only 24 students' microscopes, and at least 10 more are needed.

**Materia Medica.**—The department is well equipped with the necessary drugs, etc., required for use of the students in the practical classes, and the work proceeded satisfactorily.

**Surgery.**—Lectures on the subject were delivered to 3rd and 4th year students by the Teacher of Surgery and these students received clinical teaching in the surgical ward and acted as surgical dressers and operation assistants. Clinics on important cases were given with the help of X-ray films. Instruction in operative surgery was given regularly.

**Medicine.**—Lectures were delivered to 3rd and 4th year students during the year and the students concerned received clinical instruction in the wards and acted there as clinical assistants.

**Midwifery and Gynaecology.**—The prescribed course of lectures was delivered by the teacher to 3rd and 4th year students and clinics were given on obstetric and gynaecological cases. One hundred and seventy-three labour cases were available during the year. The combined office of Teacher of Surgery and Midwifery and Gynaecology continues to be a source of great difficulty in providing adequate clinical instruction.

**Medical Jurisprudence and Hygiene.**—Lectures with the help of diagrams and models, were given by the same teacher in both the subjects. Eighty-seven medico-legal post-mortems were held during the year under report and were attended by students for practical training. Six practical demonstrations in Hygiene and Public Health were given to the students.

**Pathology.**—Lectures and demonstrations were given, and ten pathological post-mortems were attended by the students during the year under report. There are five microscopes in the department and all are provided with 1/12 objectives. Two more oil-immersion lenses were acquired.

The details of the clinical pathological work of the hospital cases done during the year are as follows:—

Blood count	...	...	964
Blood parasite	...	...	901
Aldehyde test	...	...	105
Antimony test	...	...	105
Widal Reaction	...	...	47
Blood culture	...	...	8
Kahn test	...	...	250
Vandenburgh reaction	...	...	8
Blood sugar estimation	...	...	9
Blood grouping	...	...	17

**Urine—**

Chemical and microscopical examination	...	28
Urea concentration test	...	6
Urine culture	...	36

**Stool—**

Chemical and microscopical examination	...	37
Sputum examination	...	6
Gastric contents analysis	...	25
C. S. fluid, etc., for chemical and cytological tests	...	9
C. S. fluid for culture	...	2
Smear for examination	...	29
Pus for culture	...	14
Microsection of tissue	...	24
Autovaccine	...	12
Inoculation of guineapig	...	1

Total	...	<u>2,643</u>
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These figures are considerably modified by the presence of an efficient clinical side room in the hospital.

**Out-patients Department.**—This department has been much improved and divided into three separate sections for facility in working as detailed below:—

- (a) Medical.
- (b) Surgical, including Eye, Venereal, Ear, Nose, and Throat and Dental.
- (c) Gynaecological and Obstetrical.

The Medical section is in charge of the senior sub-assistant surgeon of the hospital. Honorary Physician, Dr. M. Haque, M.B., also attends the section daily and gives clinics to students.

The Surgical Department is in charge of the Teacher of Medical Jurisprudence and Hygiene who is assisted by a House Surgeon.

The Gynaecological and Obstetrical sections are in charge of the Lady Doctor.

All three officers-in-charge of these sections give clinics to students on suitable cases daily.

The Eye clinic is held twice a week on Monday and Thursday mornings by Honorary Ophthalmic Surgeon, Dr. A. Choudhury, M.B. A dark room and an Eye-testing set have been provided.

The Venereal clinic is held daily by the Teacher of Medical Jurisprudence and Hygiene.

The Ear, Nose and Throat clinic is held twice a week on Tuesday and Friday mornings by Honorary Physician, Dr. P. Bose, M.B.

The Honorary Dental Surgeon, Dr. Nuruddin, L.D.S., gives a dental clinic to students every Friday at 4-30 p.m.

Anti-rabic treatment is given twice a week by a House Physician, and clinics are also given to students.

Leprosy treatment is done once a week by a House Physician.

Vaccination (small-pox) is carried out twice a week by a municipal vaccinator.

A clinical laboratory is attached to this department. The Honorary Clinical Pathologist, Dr. K. Bhattacharjee, is in charge. He guides the students and sees that proper records of examinations are kept.

**X-ray.**—This has improved the teaching of medicine and surgery considerably; nearly every plate taken is demonstrated to students. The Honorary Radiologist, Capt. B. Bhattacharjee, M.B., A.I.R.O. (late I. M. S.), is in charge of this department.

### III.—Conduct and attendance of students.

The conduct and attendance of the students both in the school and hospital were satisfactory with one exception. Fifty-five students were admitted during the year under report—new admission 46, and re-admissions 9. The standard of general qualification of the students admitted is shown in table "C". The total number of applications received for admission was 64 as against 71 of the last year.

#### IV.—Examinations.

The results of the Faculty Examinations are given in Table "D".

#### V.—Compounder class.

Two students passed their final compoundership examination during the year. The results are shown in Table "D (a)". Six students were admitted during the year under report. The usual lectures, demonstrations and practical classes were given to compounder students by the Demonstrator of Materia Medica.

#### VI.—Finance.

The total receipts of the school other than Government were Rs. 25,448 and the total expenditure was Rs. 34,089 as against Rs. 23,296 and Rs. 33,000, respectively, for the last year. The details of receipts and expenditure are shown in Table "E".

The average primary cost per student educated was Rs. 104 as against Rs. 116 of last year.

#### VII.—Establishment.

Captain John Brebner, I.M.S., was in charge of the office of the Superintendent of the School throughout the year.

Dr. D. M. Chanda, L.M.P., held charge of the office of the Deputy Superintendent throughout the year.

**Teaching staff.**—Dr. R. N. Kundu, M.B., D.T.M., held charge of the Teacher of Materia Medica and Medicine during the whole year.

Dr. N. C. Chatterjee, M.B., held charge of the Teacher of Surgery and Midwifery throughout the year.

Dr. K. N. Sen, M.B., M.R.C.P. (Edin.), D.P.H. (London), held charge of the Teacher of Medical Jurisprudence and Hygiene throughout the year.

Dr. B. N. Banerjee, L.M.P., was Teacher of Physiology and Pathology up to 13th October 1938.

Dr. D. M. Chanda, L.M.P., held charge of Teacher of Anatomy throughout the year.

Dr. S. B. Ghose, L.M.F., D.T.M., was appointed Teacher of Physiology and Pathology, *vice* Dr. B. N. Banerjee, L.M.P., who died on 14th October 1938.

Dr. Siddique Ullah Choudhury, L.M.F., was appointed Demonstrator of Pathology, *vice* Dr. S. B. Ghose, L.M.F., D.T.M., on 28th September 1938.

Dr. Md. Abdul Wadud, L.M.F., held charge of the Demonstrator of Physiology during the whole year.

Dr. Abul Quasem, L.M.F., held charge of the Demonstrator of Anatomy up to 9th February 1939 and from 10th February 1939 he was appointed Demonstrator of Pathology, *vice* Dr. Siddique Ullah Choudhury, L.M.F., who was appointed Demonstrator of Anatomy, *vice versa*.

Dr. P. K. Choudhury, L.M.F., held charge of the Demonstrator of Materia Medica and the Teacher of Compounder class in addition, during the whole year.

Dr. A. C. Nag, L.M.F., held charge of the senior Demonstrator of Anatomy throughout the year.

### VIII.—General notes.

**Inspection.**—The institution was visited by Major-General P. S. Mills, C.I.E., M.B., B.S. (Lond.), D.T.M. & H. (Lond.), M.R.C.S., K.H.P., I.M.S., Surgeon-General with the Government of Bengal, on 1st December 1938.

**Library.**—Medical books worth Rs. 190 were purchased during the year.

**Athletic club.**—Activities were rather curtailed as no school playground was available during the year. Football was played with local teams. Badminton was played on the school courts. The tennis court, though repaired, was not good, and will probably be replaced by a permanent one.

**Office.**—One temporary 2nd clerk was appointed from 25th July 1938.

**Staff.**—The teaching staff carried out their work satisfactorily.

**General.**—In December 1938, five days before term ended, a strike of the students occurred, based on disciplinary action taken with regard to a House Surgeon in the Chittagong General Hospital. This was satisfactorily settled on the second day of term in January.

In the coming year it is anticipated that improvements in the hospital will greatly facilitate the practical teaching. An epidiascope for the school is needed.

A pressing need is for proper hostel accommodation for the majority of the students.

JOHN BREBNER, CAPTAIN, I.M.S.,  
*Superintendent, Chittagong Medical School.*

CHITTAGONG,  
*The 15th August 1939.*



TABLE A.

Statement showing the attendance of students of the Chittagong Medical School during the year 1938-39 and the previous year.

Sessions.	Remained on the rolls from the previous year.	Admitted during the year.	Re-admitted during the year.	Admitted on transfer from other Medical Schools.	Total.	Left, died, etc., during the year.								Remained at the end of the year.	Average monthly number of pupils.	Average daily attendance.
						Left school after having passed the Final Examination.	Removed for absence without leave.	Removed for non-payment of school fees.	Removed for failure at the Test Examination.	Expelled or removed for misconduct.	Transferred to other Medical Schools.	Resigned or left otherwise.	Died.	Total.		
1937-38	138	52	15	1	206	21	7	14	14	..	1	7	..	64	181.92	176.53
1938-39	142	46	9	..	197	10	3	9	14	2	..	7	..	45	175.75	178.43

TABLE B.

**Classification of students according to religion and nationality taught in and passed out of the Chittagong Medical School, Chittagong, during the year 1938-39.**

Classification.  1	Total number of students taught during the year, i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Examination as L. M. F. or Final Licentiate Examination of the State Medical Faculty, Bengal.	
	Male. 2	Female. 3	Male. 4	Female. 5
<i>Religion.</i>				
1. Muhammadans .. ..	30	..	5	..
2. Buddhists .. ..	7	..	3	..
3. Hindus .. ..	158	..	16	..
4. Christians .. ..	2	..	1	..
5. Sikhs .. ..	..	..	..	..
Total .. ..	197	..	25	..
<i>Nationality.</i>				
1. Bengalees .. ..	197	..	25	..
2. Punjabis or Shikhs .. ..	..	..	..	..
Total .. ..	197	..	25	..

TABLE 6.

Classification according to preliminary general education of the students admitted during the year 1938-39 and the previous year in the Chittagong Medical School, Chittagong.

Classification.	Hindus.		Muhammadans.		Buddhists.		Christians.		Sikhs.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	2	3	4	5	6	7	8	9	10	11
1937-38—										
I. A. or I. Sc.	5	..	..	..	..	..	..	..	..	..
Matriculation	33	..	7	..	..	..	1	..	..	..
1938-39—										
I. A. or I. Sc.	5	..	..	..	..	..	..	..	..	..
Matriculation	38	..	10	..	1	..	1	..	..	..

TABLE D (a).

Statement showing the results of compoundership examinations held at the Chittagong Medical School, Chittagong, during the year 1938-39, and the previous year.

Session.	Remain- ing from the previous year.	Number of students admitted during the year.	Total number of students under training.	Number of students removed.	Number of stu- dents who appeared at the examination.		Number passed.	
					April.	October.	April.	October.
1	2	3	4	5	6	7	8	9
<i>1937-38.</i>								
Regular students	10	6	16	2	..	6	..	6
Outside candidates	..	..	..	..	..	..	..	..
<i>1938-39.</i>								
Regular students	8	6	14	3	..	4	..	2
Outside candidates	..	..	..	..	..	..	..	..



**Statement showing the results of examinations of the State Medical Faculty of Bengal during the year 1932-39 and the previous year.**

83

TABLE

Statement showing the income and expenditure of the Chittagong

Heads of receipts.	Income.			
	1937-38.	1938-39.	Increase.	Decrease.
Receipts from other sources than Government—	Rs.	Rs.	Rs.	Rs.
School fees .. ..	16,680	19,165	(a)2,485	....
Admission fees .. ..	446	253	....	(b)193
Fines .. ..	153	250	97	....
Interest on endowment ..	5,177	5,177	....	....
Miscellaneous .. ..	200	83	....	(c)117
Mohsin Fund .. ..	640	520	....	(d)120
Total ..	23,296	25,448	2,582	480
Receipt from Government ..	9,704	8,641	....	1,063
Total income ..	33,000	34,089	2,582	1,493

(a) Less number of students left the school.

(b) None re-admitted under rule 20.

(c) Less admission forms were sold.

(d) One less stipend sanctioned.

CHITTAGONG,  
The 5th August 1938.

E.

**Medical School during the year 1938-39 and the previous year.**

Heads of expenditure.	Expenditure.			
	1937-38.	1938-39.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
Establishment .. ..	27,408	25,728	....	(e)1,680
Scholarships .. ..	1,580	3,871	(f)2,291	....
Mohsin Fund .. ..	640	520	....	(g)120
Book allowance .. ..	188	189	1	....
Taxes .. ..	779	1,264	(h)485	....
Travelling allowance ..	419	440	21	....
Contract contingency ..	1,100	1,250	(i)150	....
Medicine and instrument ..	886	827	....	59
Total expenditure ..	33,000	34,089	2,948	1,859

(e) Due to posting of a junior officer.

(f) Special scholarships sanctioned for Muslim and Scheduled caste students.

(g) Vide (d).

(h) Rate of municipal tax enhanced.

(i) One Laboratory servant added.

JOHN BREBNER, CAPT., I.M.S.,  
*Superintendent, Chittagong Medical School.*

**ANNEXURE.****Staff.**

*(1) List showing the names of the Officers with their academic qualifications and their duties in the Chittagong Medical School, also whether whole-time, part-time or honorary.*

1. Captain John Brebner, I.M.S., Superintendent (part-time officer) throughout the year.

2. Dr. R. N. Kundu, M.B., D.T.M., Teacher of Materia Medica and Medicine (part-time Officer).

3. Dr. K. N. Sen, M.B., M.R.C.P. (Edn.) and D.P.H. (Lond.), Teacher of Medical Jurisprudence and Hygiene (part-time Officer).

4. Dr. N. C. Chatterjee, M.B., Teacher of Surgery and Midwifery, (part-time Officer).

5. Dr. B. N. Banerjee, L.M.P. Teacher of Physiology and Pathology up to 27th September 1938 and was relieved by Dr. S. B. Ghose, L.M.F., D.T.M. (whole-time Officer).

6. Dr. D. M. Chanda, L.M.P., Teacher of Anatomy and Deputy Superintendent (whole-time Officer).

7. Dr. S. B. Ghose, L.M.F., D.T.M., Demonstrator of Pathology up to 27th September 1938 and was relieved by Dr. Siddique Ullah Choudhury (whole-time Officer).

8. Dr. Md. A. Wadud, L.M.F. Demonstrator of Physiology (whole-time Officer).

9. Dr. P. K. Choudhury, L.M.F. Demonstrator of Materia Medica, and Teacher of Compounder class (whole-time Officer).

10. Dr. A. C. Nag, L.M.F., Demonstrator of Anatomy (whole-time Officer).

11. Dr. A. Quasem, L.M.F. Demonstrator of Anatomy up to 9th February 1939 and was relieved by Dr. Siddique Ullah Choudhury, L.M.F. (whole-time Officer).

*(2) List showing the names of Officers with their academic qualifications and their duties in the General Hospital attached to the Chittagong Medical School, also whether whole-time, part-time or honorary.*

1. Captain John Brebner, I.M.S., Superintendent of the Hospital (part-time).

2. Dr. R. N. Kundu, M.B., D.T.M., Medical Wards (part-time).

3. Dr. K. N. Sen, M.B., M.R.C.P., (End.), D.P.H. (Lond.), Out-patients' Department and Infectious Wards (part-time).

4. Dr. N. C. Chatterjee, M.B., Surgical and Gynaecological wards (part-time).

5. Dr. M. Haque, M.B., Honorary Physician, Out-patients' Department (part-time).

6. A. C. Choudhury, M.B., Honorary Ophthalmic Surgeon (part-time).

7. Dr. P. Bose, M.B., Honorary Physician, Ear, Nose and Throat Department (part-time).

8. Dr. Nuruddin, L.D.S., Honorary Dental Surgeon (part-time).

9. Dr. B. Bhattacharya, M.B., A.I.R.O., I.M.S., (late), Honorary Radiologist (part-time).

In addition there are 4 paid house staff and 4 unpaid house staff attached to the Hospital.

### *(3) Change in the teaching staff during the year.*

Dr. S. B. Ghose, L.M.F., D.T.M., Demonstrator of Pathology, was appointed Teacher of Physiology and Pathology, *vice* Dr. B. N. Banerjee, L.M.F., deceased.

Dr. Siddique Ullah, L.M.F., was appointed Demonstrator of Pathology, *vice* Dr. S. B. Ghose, L.M.F., D.T.M., appointed Teacher.

Dr. A. Quasem, L.M.F., Demonstrator of Anatomy, was appointed Demonstrator of Pathology, *vice* Dr. Siddique Ullah Choudhury, L.M.F., appointed Demonstrator of Anatomy and the latter again transferred to Dighi Nala Dispensary, Chittagong Hill Tracts, on 26th April 1939.

### **Students on 1st July 1938.**

(1) Sex of students—Male 197.

(2) Maximum number of new admission annually—50 average.

(3) Age limits, and low, for students on admission—No high age limit. Must be over 15 years.

(4) Standard of general education required on admission to the school—Matriculation or its equivalent is the minimum standard.

### **Examinations.**

(1) Name of examiners at each of the examination—Examiners are appointed by the Governing Body of the State Medical Faculty of Bengal every year.

(2) By whom appointed and for how long at a time—Examiners are appointed by the Governing Body of the State Medical Faculty of Bengal every year.

(3) Percentage of marks required at each examination to obtain pass—40 per cent.

(4) Proportion of students who take all the subjects at the Final examination—63·88.

**Financial.**

(1) Cost of Government or to the body responsible for the school per student per annum in the school—Rs. 104.

(2) Percentage of students paid for by—

(a) Government—24·34.

(b) Local bodies or other agencies—13·81.

(c) Privately by their guardians—61·85.

**Equipment.**

(1) Number of sanctioned beds in attached hospital—116; and average daily number of in-patients—99·91.

(2) Average number of confinement cases per annum during the last three years—84 (1936-37), 147 (1937-38), 173 (1938-39).

(3) Number of microscope allotted for personal use of students in teaching—

(a) Physiology—24.

(b) Pathology—5 with 1/12 objectives.

(c) Oil Immersion Lenses—2.

JOHN BREBNER, CAPTAIN, I.M.S.,

*Superintendent, Chittagong Medical School.*

*Chittagong, the 28th July 1939.*

# **Annual Report on the Working of the Jackson Medical School, Jalpaiguri, for the year 1938-39.**

## **I.—Building and Accommodation.**

No original work has been done during the year under report.

## **II.—Equipment.**

(a) **Physics and Chemistry Department.**—Well equipped.

(a) **Anatomy.**—Well equipped with models, dissected specimens, preserved specimens of abnormalities, etc., and diagrams.

A model of lower extremity would be a useful addition when funds permit.

Thirty-three cadavers (31 from Sadar Hospital and 2 from Siliguri Hospital) were received for dissection during the year and 10 students were allowed to dissect a body. Thirty-seven framed and glassed diagrams, 7 anatomical diagrams, one specimen and one set of skull bones dissarticulated were added to this department during the year. One articulated skeleton made by taxidermist and sold to local F. D. Institution.

(c) **Physiology.**—This department is fairly well-equipped there being 13 microscopes and various demonstration instruments and diagrams, etc. A teakwood shelf was provided in this department in one side. One muscle lever myograph with femur clamp and writing lever on iron stand, one Raymaund's key, one electrode and one Wright's blood coagulometer were added to this department during the year under report.

(d) **Materia Medica.**—Well Equipped.

(e) **Pathology.**—Well equipped with the exception of an electric centrifuge which will be obtained when funds are available. Six mounted charts have been added to this department.

Clinical pathology is done by students in the hospital where there are two equipped laboratories and a number of urinalysis tables for the use of students.

Five hundred and twenty-two clinical examinations were done in the Pathological Laboratory during the year as follows:—

1. Kahn's test	...	...	219
2. Urine (urea conc.)	...	...	5
3. Blood sugar	...	...	15
4. Urine for culture	...	...	46
5. Vanden Berg's Reaction	...	...	5
6. Blood for Urea and N. P. N.	...	...	5
7. Pus for culture	...	...	23
8. Tissue for Section	...	...	20
9. Pus for Auto-vaccine	...	...	17
10. Fluid for Culture	...	...	13
11. Blood for M. P.	...	...	1
12. Blood for Culture	...	...	13
13. Stool for Complete Examination	...	...	6
14. Stool for Culture	...	...	13
15. Blood for Widal	...	...	37
16. Swab for Culture	...	...	23
17. Cervical Smear	...	...	8
18. Blood for Cholesterol	...	...	8
19. Fractional Test Meal	...	...	19
20. Blood for W. R.	...	...	18
21. Stool for Occult Blood	...	...	5
22. Urine for Chemical and Microscopical Examination	...	...	1
23. Blood Grouping	...	...	1
24. Aldehyde Test of Blood	...	...	1
Total			522



In addition to these 4,942 pathological specimens were examined in the Jalpaiguri General Hospital by the Demonstrator of Pathology, who is the Clinical Pathologist to the Hospital.

**Blood.—**

For malarial parasites	...	...	781
For total and different counts	...	...	961
For micro-filaria	...	...	36
For aldehyde and Chopra test	...	...	18
For coagulation time	...	...	7
For color index	...	...	1
For H. B. value	...	...	3
For sedimentation test	...	...	1
Stool	....	...	1,208
Urine	...	...	1,384
Sputum	...	...	490
Urethral and Cervical Smear	...	...	39
Throat Swab	...	...	4
Ascites Fluid	...	...	1
Pus	...	...	5
Gastric Contents (Vomit)	...	...	1
Cerebro-spinal Fluid	...	...	2
Total			4,942

*N. B.*—In addition to these 1,064 specimens were examined by the students in the clinical laboratory attached to the Out-patient's Department under the supervision of the Clinical Pathologist. Ordinary clinical examinations for Outdoor patients, such as blood smears for parasites, routine clinical and microscopical examinations of blood and urine, formolgel and Chopras' test, urethral and cervical smears are made.

(f) **Surgery, Midwifery, Gynaecology, Medicine and Medical Jurisprudence and Hygiene.**—The diagrams, models, etc., of these departments are satisfactory but teaching will be facilitated by the use of the epidiascope when an operator is available.

The following interesting models were purchased during the year for Hygiene:—

1. Louvre and Hit and miss ventilators (Cooper's) ... One.
2. Siphonage model, consisting of one W. C. ... One.
3. Sanitation models ... One.
4. Water pollution model ... One.
5. Water filter model ... One.

(g) **Library.**—A very small stock of books is maintained. Students are allowed to read books in the library and those who deposit Rs. 10 caution money are allowed to borrow books for 15 days at a time. A row of shelves on the three sides of it has been provided for keeping the bound periodicals.

(h) **Radiology.**—The hospital has installed a modern and very complete X-ray set along with an infra-red lamp, and ultra-violet lamp, an inductotherm (diathermy) apparatus and pantostat and demonstration of radiograms and electro-therapeutics are given to students by Dr. A. Bhattacharjee, Teacher of Anatomy, who is also the Radiologist and Electro-therapeutist to the Hospital.

(i) **Students' Common Room.**—Though two carom board tables were purchased for this room, it requires more furniture.

### III.—Teaching.

Lectures, clinics and demonstrations were regularly held in accordance with the prescribed syllabus in all departments.

A series of lectures on leprosy were delivered by Dr. B. N. Ghosh, M.B., Leprosy Propaganda Officer, Bengal, during the year. In the Surgical Department two cadavers were supplied for operative surgery teaching and operations performed during the year numbered 905 of which 348 were selected.

In the Midwifery and Gynaecology Department 546 gynaecological cases and 96 labour cases were treated in the hospital and it is now proposed that the students should obtain their midwifery training here instead of going to Calcutta or Burdwan for the purpose.

Students were divided into batches to the Out-patient Department where they saw a variety of cases and in addition received instruction in anti-rabic treatment.

### IV.—Conduct and attendance.

Conduct and attendance of students were satisfactory throughout the year.

### V.—Admission.

Twenty-five students were selected from 79 candidates who applied during the year. The educational qualifications of the newly admitted students are shown in table "C".

### VI.—Examinations.

The results of the Faculty Examinations are shown in Table "D".

## VII.—Finance.

The details of receipts and expenditures for the year as compared with the last year are shown in Table "E".

The causes of increases and decreases are explained in footnotes to the table.

The average primary cost per student was Rs. 169 as against Rs. 142 in the last year.

The total receipts of the school from sources other than Government during the year amounted to Rs. 20,935 as compared with Rs. 22,899 last year and the total expenditures was Rs. 33,464 as compared with Rs. 33,248 spent last year.

## VIII.—Establishment.

(a) Captain F. H. A. L. Davidson, I.M.S., transferred on 28th February 1939 and Dr. A. K. Dutta Gupta, M.B., officiated from 1st March 1939 to 31st March 1939.

(b) Dr. A. K. Datta Gupta, M.B., was appointed as Teacher of Surgery and Midwifery from the 25th February 1939 *vice* Dr. S. N. Choudhury M.B., transferred.

The remaining members of the teaching staff are:—

1. Dr. Nawab Ali, M.B., D.T.M., Teacher of Medicine and Materia Medica.
2. Dr. A. K. Nandy, M.B., M.R.C.P.E., Teacher of Hygiene and Medical Jurisprudence.
3. Dr. S. C. Ghosh M.Sc., M.B., Teacher of Chemistry and Physics, and Deputy Superintendent of the school.
4. Dr. N. C. Das Gupta, L.M.F., D.T.M., Teacher of Pathology and Physiology.
5. Dr. A. M. Bhattacharjee, L.M.F., Teacher of Anatomy.
6. Dr. Md. Amanullah, L.M.F., Demonstrator of Physiology.
7. Dr. S. P. Ghosh, L.M.F., Demonstrator of Pathology.
8. Dr. A. H. Sarkar, L.M.F., Demonstrator of Anatomy.
9. Dr. S. Bhattacharjee, L.M.F., Demonstrator of Anatomy.
10. Dr. M. Bhattacharjee, L.M.F., Demonstrator of Materia Medica.
11. Dr. N. K. Laha, L.M.F., L.T.M., Demonstrator of Physics and Chemistry.

All members of the teaching staff carried out their duties with zeal and enthusiasm during the year.

## IX—General.

(a) **Hostel.**—A hostel for the students is a much felt need. At present they board out in the town, and many of them reside in highly insanitary surroundings and the incidence of malaria and dysentery among them is high.

(b) **Athletic Club.**—Students took a keen interest in the following games :—

*Out-door.*—Football, hockey, badminton, volley ball and gymnastics.

*In-door.*—Carom and ping pong.

A gymnasium shed is urgently required for the students.

(c) **Inspection.**—Major-General P. S. Mills, C.I.E., M.B., B.S., D.T.M. & H., M.R.C.P., I.M.S., Surgeon-General with the Government of Bengal inspected this institution in August 1938.

G. B. W. FISHER, MAJOR, I. M. S.,

*Superintendent, Jackson Medical School, Jalpaiguri.*

JALPAIGURI,

*The 21st September 1939.*

## ANNEXURE 1.

### Staff.

(1) *List showing the names of the staff with their academic qualifications and their duties in the medical school, also whether whole-time, part-time or honorary.*

1. Dr. Nawab Ali, M.B., D.T.M., Teacher of Medicine and Materia Medica.

2. Dr. A. K. Datta Gupta, M.B., D.T.M., Teacher of Surgery and Midwifery.

3. Dr. A. K. Nandy, B.Sc., M.B., M.R.C.P.E., Teacher of Medical Jurisprudence and Hygiene.

4. Dr. S. C. Ghosh, M.Sc., M.B., Teacher of Physics and Chemistry.

5. Dr. N. C. Das Gupta, L.M.F., D.T.M., Teacher of Pathology and Physiology.

6. Dr. A. M. Bhattacharjee, L.M.F., Teacher of Anatomy.

7. Dr. Md. Amanullah, L.M.F., Demonstrator of Physiology.

8. Dr. S. P. Ghosh, L.M.F., Demonstrator of Pathology.

9. Dr. S. Bhattacharjee, L.M.F., Demonstrator of Anatomy.

10. Dr. A. H. Sarkar, L.M.F., Demonstrator of Anatomy.

11. Dr. M. Bhattacharjee, L.M.F., Demonstrator of Materia Medica.

12. Dr. N. K. Laha, L.M.F., L.T.M., Demonstrator of Chemistry and Physics.

All are whole-time, except Nos. 1, 2 and 3, who are part-time.

(2) *List showing names of the staff with academic qualifications and their duties in the hospital attached to the medical school, also whether whole-time, part-time or honorary.*

1. Dr. Nawab Ali, M.B., D.T.M. (Part-time), in charge of Medical wards.

2. Dr. A. K. Datta Gupta, M.B., D.T.M. (Part-time) in charge of Surgical, Gynaecological and Ophthalmic wards.

3. Dr. A. K. Nandy, B.Sc., M.B., M.R.C.P.E. (Part-time) in charge of Out-door and Infectious wards.

(3) *Changes in the teaching staff during the year.*

1. Dr. A. K. Datta Gupta, M.B., D.T.M., was appointed as teacher of Surgery and Midwifery from the 25th February 1939.

### Students.

(1) Sex of Students—Male.

(2) Maximum number of new admission annually—25.

(3) Age-limit, high and low, for students on admission—Nil.

(4) Standard of general education required on admission to the school—Matriculate.

### Examinations.

- (1) Names of examiners at each of the examinations—Vide Appendix A.
- (2) By whom appointed and for how long at a time—Vide Appendix A.
- (3) Percentage of marks required at each examination to obtain a pass—Vide Appendix A.
- (4) Proportion of students who take all the subjects in the Final Examination—62·45 per cent. students take all the subjects in the Final Examination.

### Finance.

- (1) Cost to Government or to the Body responsible for the school per student per annum in the school—Rs. 169 per student per annum by Government.
- (2) Percentage of students paid for by:—
  - Government—14·72.
  - Local bodies or other agencies—14·72.
  - Private by their guardians—70·56.

### Equipment.

- (1) Number of sanctioned beds in the attached hospital—106 and average daily number of patients—95·34.
- (2) Average number of confinement cases during the last three years—39.
- (3) Number of microscopes allotted for the personal use of students in teaching—
  - (a) Physiology—13.
  - (b) Pathology—10.

Pathological microscopes are provided with 1/12 objective.

G. B. W. FISHER, MAJOR, I.M.S.,

*Superintendent, Jackson Medical School, Jalpaiguri.*

JALPAIGURI:

*The 22nd September 1939.*

TABLE A.

Statement showing the attendance of students of the Jackson Medical School, Jalpaiguri, during the year 1937-38 and the previous year.

1	2	3	4	5	6	Left, died, etc., during the year.								16	17	18	
						7	8	9	10	11	12	13	14				15
Semester.	Remained on the rolls from the previous year.	Admitted during the year.	Re-admitted during the year.	Admitted on transfer from other medical schools.	Total.	Left school after having passed the final examination.	Removed for absence without leave.	Removed for non-payment of school fees.	Removed for failure at the school test examination.	Expelled or removed for misconduct.	Transferred to other medical schools.	Resigned or left otherwise.	Died.	Total.	Remained at the end of the year.	Average monthly number of students.	Average daily attendance.
1937-38	111	25	11	..	147	30	..	4	6	..	1	7	..	48	99	116.50	304.17
1938-39	99	25	5	..	129	22	1	9	..	..	..	12	..	44	85	98.71	265.47

TABLE B.

Statement showing classification of students according to religion and nationality taught in and passed out during the year 1938-39 from the Jackson Medical School, Jalpaiguri.

Classification.		Total number of students taught during the year, i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Examinations as L. M. F. or Final Licentiate Examination of the State Medical Faculty of Bengal.	
		Male.	Female.	Male.	Female.
1		2	3	4	5
<i>Religion.</i>					
(1) Hindus—					
(a) Brahmins	..	50	..	7	..
(b) Non-Brahmins	..	59	..	13	..
(2) Muhammadans	..	20	..	2	..
(3) Indian Christians	..	..	..	..	..
Total	..	129	..	22	..
<i>Nationality.</i>					
Bengalees	..	126	..	22	..
Nepalese	..	3	..	..	..
Total	..	129	..	22	..

TABLE C.

Statement showing the classification according to preliminary general education of students admitted during the year 1938-39 and the previous year in the Jackson Medical School, Jalpaiguri.

Classification.	Hindus.		Muhammadans.		Christians.		Others.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1937-38—								
B.A. or B.Sc.	..	..	..	..	..	..	..	..
I.A. or I.Sc.	..	..	..	..	..	..	..	..
Matriculation	..	29	..	7	..	..	..	..
1938-39—								
B.A. or B.Sc.	..	..	..	..	..	..	..	..
I.A. or I.Sc.	..	2	..	..	..	..	..	..
Matriculation	..	16	..	4	..	..	3	..



TABLE D.

Statement showing the results of examinations of the State Medical Faculty of Bengal during the year 1938-39 and the previous year.

Sessions.	Final Licentiate Examination.						Intermediate Licentiate Examination.						Primary Licentiate Examination.					
	Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1937-38—	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.
Male ..	38	43	16	14	42.10	32.56	15	11	8	6	53.33	54.55	17	5	7	4	41.17	80.00
Female ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1938-39—	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.
Male ..	21	24	11	11	52.38	45.83	17	12	5	10	29.41	83.33	22	8	11	3	50	37.50
Female ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE

Statement showing the income and expenditure of the Jackson Medical

Heads of receipts.	Income.			
	1937-38.	1938-39.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
Receipts from other sources than Government—				
School fees ..	13,290	11,232	..	2,058(a)
Entrance fees ..	131	131	..	..
Miscellaneous ..	333	467	134(b)	..
Mohsin Fund ..	640	600	..	40(c)
Interest on endowment	8,505	8,505	..	..
Total ..	22,899	20,935	..	..
Receipt from Government	10,349	12,529	..	..
Grand Total ..	33,248	33,464	..	..

JALPAIGURI,

The 22nd September 1939.

E.

**School, Jalpaiguri, during the year 1938-39 and the previous year.**

Heads of expenditure.	Expenditure.			
	1937-38.	1938-39.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
Establishment ..	24,221	24,606	385(d)	..
Scholarships and prizes ..	552	2,118	1,566(e)	..
Mohsin Fund ..	940	600	..	40(f)
Contingencies ..	1,998	2,000	2	..
purchase of Books ..	500	197	..	303(f)
Rent, rates and taxes ..	776	788	12(g)	..
Medicines and instruments	2,458	1,582	..	876(h)
Stationery and forms ..	155	203	48(i)	..
Games ..	200	200	..	..
House rent and other allowances.	458	525	67(j)	..
Livery to menials ..	63	63	..	..
Travelling Allowances ..	1,227	582	..	645
Grand Total ..	33,248	33,464	..	..

(a) Due to less number of students.

(b) Due to more fines collected.

(c) Due to less amount sanctioned

(d) Due to periodical increment to staff.

(e) Due to award of special scholarships to Muslim and Scheduled caste.

(f) Due to less amount sanctioned.

(g) Due to increase of municipal tax.

(h) Due to less purchase of medicine and instruments.

(i) Due to more purchase of stationery goods and more indent of forms.

(j) Due to an allowance of gas mechanic.

G. B. W. FISHER, MAJOR, I.M.S.,  
*Superintendent, Jackson Medical School, Jalpaiguri.*



# **The Annual Report of the Calcutta Medical School for the year 1938-39.**

## **1.—Building and accommodation.**

No new building was constructed during the year under report. Arrangements have been made with the Government through the Land Acquisition Department to acquire about 10 cottahs of land adjoining the school compound, in addition to 8 cottahs of land already acquired, on which a building will be constructed to accommodate the different departments of the school.

A shadowless light has been purchased and provided in the Surgical Operation Theatre of the Hospital.

A commodious electric hospital lift has been installed in the new Hospital at a cost of Rs. 6,000 for carrying patients to the upper stories of the Hospital. This has removed a longfelt want.

## **II.—Teaching and equipment.**

**Chemistry and Physics.**—The Teachers of Physics and Chemistry assisted by two research scholars of the Indian Association for the Cultivation of Science at 210, Bow Bazar Street, Calcutta, paid by the school, held theoretical and practical classes in the hall of the above Association. The assistant teacher also held demonstration classes in the school premises. Some new apparatus and drugs were purchased.

**Anatomy.**—The Teacher of Anatomy delivered the prescribed course of lectures during the year. The teacher and the four assistant teachers conducted the dissection. Besides the four assistant teachers took practical demonstration classes and weekly examinations regularly throughout the year. Forty-two bodies, all embalmed and injected, were dissected by the first and second year students in batches. Four sets of human bones, skeletons, diagrams, etc., were added. Several specimens were added to the museum.

**Materia Medica.**—The Teacher of Materia Medica delivered the prescribed course of lectures during the year. Pharmacological demonstrations were conducted by the two assistant teachers in which compounding and dispensing of mixtures, lotions, ointments, plasters, pills and suppositories, etc., were taught. Considerable additions were made to the museum and the practical class.

**Physiology.**—The Teacher of Physiology delivered the prescribed course of lectures during the year. The three assistant teachers demonstrated on histological slides, etc., and held practical classes and periodical examinations. Demonstrations on various instruments were given and experiments on coagulation, digestion and muscle-curve, etc., were performed in addition to the routine works.

**Medicine.**—The prescribed course of lectures was delivered by the Teacher of Medicine. Clinical demonstrations were given in the wards by the Teacher and two other Visiting Physicians and the two Deputy Physicians. Instructions in case taking and writing up of case notes were supervised by the two Deputy Physicians. Performance of clinical laboratory work was supervised by the Clinical Pathologist.

**Surgery.**—The prescribed course of lectures was delivered by the Teacher of Surgery during the year. Teacher of Operative Surgery took the Operative Surgery practical classes and the Senior House Surgeon of the Surgical Ward assisted him. Clinical instructions were given in the wards by the Visiting Surgeons as also by the Deputy Surgeons. In the Surgical side of the Outpatients Department students were given clinical instructions by the Outdoor Surgeons. The students attended all operations and acted as surgical dressers in the indoor and outdoor and performed minor operations in the outdoor. The students also assisted at the operations in the indoor. The two Deputy Surgeons took demonstration classes and gave instructions in minor surgery, bandaging and demonstrations in X-ray plates and instruments.

**Ophthalmic Surgery.**—Special lectures were delivered by the Teacher of Ophthalmic Surgery. Clinical instructions were given in the Ophthalmic wards by the Visiting Ophthalmic Surgeon and also in the Eye Outdoor by the Deputy Ophthalmic Surgeon.

**Midwifery.**—The prescribed course of lectures was delivered by the Teacher of Midwifery and Gynaecology during the year. The additional Visiting Gynaecologist held clinical Midwifery classes. Clinical instructions in the wards were given by the Teacher and the additional Visiting Gynaecologist. Students also assisted all Labour and Gynaecological operations performed in the hospital. Students were placed on special duty in rotation on such serious cases as eclampsia, etc., Special lectures were delivered on "Antenatal care".

**Pathology.**—The prescribed course of lectures in Pathology and Bacteriology were delivered by the year. The two assistant teachers held tutorial and demonstration classes regularly. Students examined clinical specimens in the Clinical Pathological Laboratory in the Hospital and were assisted by the Clinical Pathologist and the Visiting Pathologist. The museum has been considerably improved by addition of a large number of specimens. Students were also given demonstrations on Museum specimens by the Senior Assistant Teacher. A microtome was purchased at a cost of Rs. 625. Pathological post-mortems with 10 bodies were held. Clinical examinations of materials from the attached Hospital were regularly done at the Pathological Laboratory. The following samples from the attached Hospital were examined.

1. Blood examination—

- (a) Blood Counts—2,156.
- (b) Malarial Parasites—317.
- (c) Aldehyde Tests—258.
- (d) Chopra Test—256.
- (e) Widal Test—194.
- (f) Blood culture—36.
- (g) Coagulation time—989.

2. Urine examination—

- (a) Physical, Chemical and Microscopical—1,507.
- (b) Bacteriological—163.

### 3. Stool examination—

- (a) Microscopical examination—556.
- (b) Occult Blood—26.
- (c) Bacteriological—25.

### 4. Sputum examination—

- (a) Microscopical—268.
- (b) Bacteriological—15.

### 5. Section of Pathological tissue—82.

### 6. Other Bacteriological examinations—150.

### 7. Autogenous vaccine—254.

### 8. Other examinations—94.

### 9. Wassermann and Kahn Reaction—300.

### 10. Blood Sugar and other Blood Chemical examinations—84.

**Medical Jurisprudence and Hygiene.**—The prescribed course of lectures was delivered by the Teacher of Medical Jurisprudence and Hygiene during the year. The assistant teacher took regular demonstration classes on the subjects throughout the year. Students attended medico-legal post-mortems in the Campbell Hospital. Students were taken to Palta Waterworks, Cossipore Trenching Ground and Serampore Waterworks and Corporation Central Disinfecting Station, etc., for practical demonstration purposes by the Teacher and the assistant teacher. Students were also taken to the All-India Institute of Public Health and Hygiene Museum. Considerable number of models were added to the museum. A large number of diagrams were added. Students were taught the technique of Lumbar, Cisternal and Ventricular punctures in Cerebro-Spinal fevers in the Meningitis Ward by the Teacher of Medical Jurisprudence and Hygiene.

**Vaccination.**—Lymph was supplied by the Corporation of Calcutta and the students received instructions of vaccination in the Outpatients Department of the attached Hospital.

**Hospital practice.**—The senior students were given clinical teaching on cases in the Hospital wards both by the Teachers and the Deputy Physicians and Surgeons of the attached Hospital. In the Outpatient Department, senior students were deputed in batches throughout the year and attended clinics in every section of this department including Ophthalmology. They were also given every facility to perform minor operations and to assist in major operations. They were also given facility to diagnose and to give injections. Tutorial teaching was also given to the students in the Outpatient Department by the respective medical officers.

Dr. B. N. Ghose, M.N., Leprosy Propaganda Officer, Bengal, delivered a series of lectures on Leprosy to the senior students of the school.

**X-ray Department.**—The department has been equipped with up to date apparatus. The students were given demonstrations on Skiagrams.

### III.—Conduct and attendance of students.

The conduct of the students was satisfactory. The attendance in the classes and in the wards was good. Two hundred and forty-five

applications were received for admission in the first year class and 100 students were admitted from among all classes and communities and from all the districts in Bengal and a few from outside. Details are given in Table C.

#### IV.—Finance.

The details of the receipts and expenditures for the last two years are given in Table E. The average primary cost per student was Rs. 180 as against Rs. 189 in the previous year.

#### V.—Establishment.

The management and discipline of the school is vested in the Superintendent under the guidance and control of the Executive Committee of the Calcutta Medical Institute.

List showing the names of the staff with their academic qualifications and duties in the School and Hospital are shown in Appendix B.

#### VI.—General Notes.

**Scholarships.**—Three scholarships of the value of Rs. 12-8 per month, sanctioned by the authorities of the Institute, were awarded to the three students obtaining highest marks in the Test Examinations held at the end of the first, second and third year classes. Besides Dr. U. P. Basu, M.B., F.R.C.P.I., the Teacher of Medicine awarded one scholarship of the value of Rs. 5 per month to the best student of the fourth year class.

**Annual distribution of prizes.**—Sir Upendranath Brahmachari, K.T., M.A., M.D., Ph.D., presided and Lady Birkmyre kindly distributed the prizes and medals and certificates of honours to the deserving students on the 22nd March 1940.

**Recruitment of passed students in Government service.**—No student of this school has been recruited into the Government service during the year under report.

**Athletic Club.**—The Athletic Club took part in several football and cricket competitions this year as well and the results were on the whole satisfactory. The football club is affiliated to the Indian Football Association and the Cricket Club to the Bengal Gymkhana. Students took part in School Gymnastic Club and play badminton and practice cricket in an open field within the school compound. Students also practice outdoor games in a ground in Shambazar.

**Inspection.**—1.—Dr. R. B. Lal, M.B., B.S., D.P.H., D.T. & H., D.B., Director, All-India Institute of Hygiene, visited the Hospital on 8th April 1938.

2. Lt.-Col. V. B. Green-Armytage, M.D., F.R.C.P.I., F.C.O.G., I.M.S. (Retired), visited the Hospital on the 17th August 1938.

3. Members of the Public Health and Hospital Grants Sub-Committees of the Corporation of Calcutta together with their Health Officer inspected the Hospital on the 5th of September, 1938.

J. C. CHATTERJEE,  
*Superintendent, Calcutta Medical School.*



TABLE A.

Statement showing the attendance of students of the Calcutta Medical School during the year 1937-38 and the previous year.

Session.	2	3	4	5	6	Left, died, etc., during the year.										16	17	18	
						Remained in the rolls from the previous year.	Admitted during the year.	Re-admitted during the year.	Admitted on transfer from other medical schools.	Total.	Left school after having passed the final examination.	Removed for absence without leave.	Removed for non-payment of school fees.	Removed for failure at the test examination.	Repatriated or removed for misconduct.				Transferred to other medical schools.
1																			
1938-39—																			
Male ..	309	99	2	..	410	65	..	45	7	..	..	..	8	..	125	285	321.3	318.7	
Female ..	3	1	..	..	4	..	..	..	..	..	..	..	..	..	4	4	3.8	3.8	
1937-38—																			
Male ..	294	99	5	3	401	46	..	27	9	2	1	7	..	..	92	309	347.7	331.8	
Female ..	2	1	..	..	3	..	..	..	..	..	..	..	..	..	..	3	2.8	2.8	

TABLE B.

Classification of students according to religion and nationality taught in and passed out, during the year 1938-39, from the Calcutta Medical School.

Classification.		Total number of students taught during the year, i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Examination as L.M.F. or Final Licentiate Examination of the State Medical Faculty of Bengal.	
		Male.	Female.	Male.	Female.
1		2	3	4	5
<i>Religion.</i>					
1. Indian Christian	..	..	1	..	..
2. Hindus—					
Brahmins	..	161	2	23	..
Non-Brahmins	..	238	1	40	..
3. Brahmos	..	4	..	..	..
4. Muhammadans	..	7	..	2	..
Total	..	410	4	65	..
<i>Nationality.</i>					
1. Bengalees	..	407	3	64	..
2. Chinese	..	..	1	..	..
3. Nepalese	..	3	..	1	..
Total	..	410	4	65	..

TABLE C.

Classification according to preliminary general education of the students admitted during the year 1938-39 and the previous year in the Calcutta Medical School.

Classification.	Hindus.		Muhammadans.		Christians.		Others.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	2	3	4	5	6	7	8	9
<b>1937-38.</b>								
B.A. or B.Sc.	..	1	..	..	..	..	..	..
I.A. or I.Sc.	..	8	..	..	..	..	..	..
Matriculation	..	90	..	4	..	..	..	..
School final, etc.	..	4	..	..	..	1	..	..
<b>1938-39.</b>								
B.A. or B.Sc.	..	..	..	..	..	..	..	..
I.A. or I.Sc.	..	7	..	..	..	..	..	..
Matriculation	..	90	..	..	2	..	..	..
School final, etc.	..	..	1	2	..	..	..	..

TABLE D.

Statement showing the results of the examinations of the State Medical Faculty of Bengal during the year 1937-38 and the previous year in the Calcutta Medical School.

Session.	Final Licentiate Examination.				Intermediate Licentiate Examination.				Primary Licentiate Examination.			
	Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.	
	2	3	4	5	6	7	8	9	10	11	12	13
1	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.
	19	18	17	16	15	14	13	12	11	10	9	8
1937-38—	67	65	21	25	31.34	38.46	58	42	13	21	22.41	50.
Male	..	..	..	..	..	..	..	1	..	1	..	100.
Female	..	..	..	..	..	..	..	..	..	..	..	..
1938-39—	77	76	41	24	53.25	31.58	66	49	26	18	39.39	36.73
Male	..	..	..	..	..	..	1	..	..	..	..	..
Female	..	..	..	..	..	..	..	..	..	..	..	..
2	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.
	19	18	17	16	15	14	13	12	11	10	9	8
1937-38—	76.66	57.14	23	30	30	84	50.	42	13	21	22.41	50.
Male	..	100	..	48	1	1	..	1	..	1	..	100.
Female	..	..	..	..	..	..	..	..	..	..	..	..
1938-39—	86.45	75.00	25	57	31	76	66	49	26	18	39.39	36.73
Male	..	100	..	1	..	1	..	..	..	..	..	..
Female	..	..	..	..	..	..	..	..	..	..	..	..

## TABLE

**Statement showing the income and expenditure of the Calcutta**

Income.				
Heads of receipts.	1937-38.	1938-39.	Increase.	Decrease.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Fees and fines .. ..	55,807	58,091	(a) 2,284	..
Miscellaneous .. ..	7,115	6,942	..	173
Opening Balance .. ..	571	9,908	(b) 9,337	..
Total income .. ..	63,493	74,941	11,621	173

(a) Increase is due to the strict realisation of fees and fines.

(b) Increase is due to the increase surplus of the last year.

CALCUTTA,

*The 31st July 1938.*

**E.****Medical School during the year 1938-39 and the previous year.**

Expenditure.				
Heads of expenditure.	1937-38.	1938-39.	Increase.	Decrease.
6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.
Establishment .. ..	29,550	31,066	1,516	..
Hospital fees (for students attending other hospitals).	..	..	..	..
Practical charges ..	1,387	1,704	317	..
Miscellaneous .. ..	4,815	5,734	919	..
Gas and electricity ..	747	647	..	100
Furniture .. ..	518	573	55	..
Instruments and appliances ..	1,568	1,474	..	94
Contribution for the maintenance of the hospital.	15,000	15,000	..	..
Total expenditure ..	53,585	56,198	2,807	194

(a) Increase is due to the grade increment of teaching and other staff.

(b) Increase is due to the increased consumption of reagents and Chemicals.

(c) Increase is due to increased expenditures under several small heads.

**J. C. CHATTERJEE, L.M.S. (Cal.), F.R.S.M. (Lond ).**  
*Superintendent, Calcutta Medical School.*



# Annual Report of the Bankura Sammilani Medical School for the year 1938-39.

## I.—Building and accommodation.

No new building was constructed during the year under report. The usual repairs were carried out.

## II.—Teaching and equipment.

**Department of Chemistry and Physics.**—The Professors of Chemistry and Physics of the local College are in charge of teaching the subjects to the students of the 1st year class. The Teacher of Chemistry delivered 51 lectures to the students of the 1st year class while the Teacher of Physics delivered 50 lectures to the same students.

A whole-time demonstrator of Physics and Chemistry has been appointed from this year. He gave 24 demonstrations in Chemistry and 30 in Physics to the 1st year students.

**Department of Anatomy.**—During the year under report Dr. P. De, M.B., Teacher of Anatomy and Dr. P. Banerjee, M.B., 2nd Teacher of Anatomy any two demonstrators, namely, Dr. K. C. Karmakar, B.A., L.M.F., and Dr. J. C. Chakrabarty, L.M.F., were in charge of teaching the subject.

The Teacher of Anatomy delivered 52 lectures to the students of the 1st and 2nd year classes and gave 36 demonstrations to each batch of the 2nd year irregular students. Besides this, the 2nd Teacher of Anatomy gave 27 lectures to the 1st and 2nd year students. The two demonstrators gave 51 demonstrations to each batch of the students of the 2nd year class and 54 to each batch of the 1st year class, i.e., in all 102 demonstrations in Osteology were given to the 2nd year class and 162 to the 1st year class by them. No batch for demonstration contained more than 25 students.

2. The five months for the winter session from November to March were given to dissection from 10-30 a.m. to 1-30 p.m. daily on week days. Altogether 14 dead bodies were dissected by the students of the 1st and 2nd year classes. Each student during the course of dissection of a part was duly examined by the demonstrators in charge and after completion of the part was required to satisfy that he dissected and learnt the part thoroughly and was then given the next part for dissection. On average each student finished dissection of three parts during the year.

3. Eighteen bodies were available for the dissection hall which were properly injected and of which 14 were given for dissection and 2 for Operative Surgery.

4. The total numbers of diagrams in the department is 201.

5. The scheme and estimate for construction of a spacious dissection hall with 16 marble slab dissection table has been forwarded to the authority with a view to making the school self-sufficient for the subject.

**Department of Physiology.**—The department was under the charge of Dr. K. P. Banerjee, M.B., Teacher of Physiology, Dr. L. N. Das, M.Sc., M.B., second Teacher of Physiology and one demonstrator, Dr. R. Tewari, L.M.F., throughout the year.

The Teacher of Physiology delivered 64 lectures to the 1st and 2nd year students while the 2nd teacher delivered 21 lectures and 64 demonstrations and practical classes for each batch of the 2nd year students not containing more than 25 students. The 2nd year (November) students were benefited by 31 demonstration lectures from the 2nd teacher. The demonstrator of Physiology held 53 demonstration lectures and practical classes for each batch of the 1st year class. Practical examinations were held on the subject on which classes were taken. The department is fully equipped with sufficient number of diagrams, permanent slides and 16 microscopes, etc., for demonstration to students.

**Materia Medica and Pharmacy.**—The Teacher of Materia Medica, Dr. K. K. Mitra, L.M.S., delivered 66 lectures to the 1st and 2nd year students. In addition to the lectures, demonstration classes were taken in batches separately for the 1st and 2nd year students by the Teacher himself.

Dr. B. Ghosh, L.M.F., demonstrator of Materia Medica, took the practical classes (Pharmacy) for the 1st and 2nd year students. The students were divided into 7 batches (4 for 2nd year and 3 for 1st year), each batch consisting of not more than 25 students. Sixty-five demonstration and practical classes on an average were taken for each batch for the 1st and 2nd year classes by the demonstrators and Teacher himself.

The department is fully equipped with drugs and specimens in accordance with British Pharmacopoeia of 1932.

**Department of Pathology.**—The department was under the charge of Dr. R. Mukherjee, M.B., D.P.H. A course of 47 lectures on Pathology and Bacteriology was delivered by the Teacher during the year. Dr. H. Mukherjee, M.B., 2nd Teacher of Pathology took 22 and 38 demonstration and practical classes for the 3rd and 4th year students respectively.

Number of post-mortem examined during the year was 8. Three new specimens were added to the museum during the year under report. The department is fully equipped with diagrams, slides, microscopes, etc. Three hundred and forty-nine Laboratory examinations were



carried out during the year. A statement of the Laboratory work carried out during the year is given below:—

(1) Blood—

(a) Total and differential count	... 76
(b) Parasites (malaria, filaria, etc.)	... 67
(c) Aldehyde test	... 12
(d) Vanbenburg's test	... Nil
(e) Vidal test	... Nil

(2) Urine—

(a) Chemical and microscopical	... 102
(b) Culture	... 2

(3) Stool—

Chemical and microscopical examination	... 60
(4) Sputum examination	... 15
(5) Smear for crebacteria	... 14
(6) Microsection of Pathological Tissue	... 1
(7) Colour Index	... 1
(8) Cerebro-spinal fluid	... 1

Total	... 349
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Arrangement for Bio-chemical examination will soon be made for which the authority has made some provision in the budget of the year 1939-40.

**Department of Medicine.**—The department was under the charge of Dr. D. Gupta, B.Sc., M.B., Teacher of Medicine as well as Physician to the attached hospital who delivered 68 lectures to the 3rd and 4th year students and held 42 tutorial classes. Clinical demonstrations were given daily in the wards throughout the year by the Teacher and Physician in charge and also by the Senior House Physician.

Sixty-five tutorial classes for students were taken in batches by the Senior House Physician and the writing up of case notes was supervised by the Physicians and Senior House Physicians and clinical laboratory work by the Senior House Physician.

**Department of Surgery.**—The department was under the charge of Dr. A. Ray, M.B., Teacher of Surgery and as well as Surgeon to the attached hospital and delivered 70 lectures. He also held 23 practical

classes in Operative Surgery and 33 tutorial classes. Clinical instructions were given in the Out-patient Department and in the ward. In the latter section the students were required to act as surgical dressers and also to attend all operations performed by the Surgeon-in-charge. The senior students were given opportunities of helping the Surgeons in operations at the hospital and were also trained to perform minor operations in the outdoor dispensary. Sixty-nine tutorial classes were also held by the Senior House Surgeon. Practical classes in minor Surgery, bandaging, demonstration in X-ray plates were regularly held by the Teacher himself.

**2. Ophthalmic Surgery.**—Dr. H. Kundu, M.B., B.S., who is the Teacher of Ophthalmic Surgery as well as Ophthalmic Surgeon to the attached hospital delivered 27 lectures on Ophthalmology to the 3rd and 4th year students. All varieties of cases including severe conjunctivitis, spinal types of corneal ulcers, diseases of the lens, etc., were admitted for teaching purposes and treated. The cases in the wards were distributed among the students for examination and follow up of their treatment and progress.

**Obstetrical and Gynaecological Section.**—Dr. R. Banerjee, B.Sc., M.B., who is the Teacher of Midwifery and Gynaecology as well as the Obstetrician and Gynaecologist of the attached hospital delivered 72 lectures and held 112 classes for the 3rd and 4th year students. Eleven Obstetrical and Gynaecological beds besides the paying beds, which were always full, were always available in the wards for bed-side instructions to the students. Eighty-one labour cases were treated in the hospital of which 44 were normal and 37 abnormal. The students were detailed for duty in batches in the wards, each batch for a period of two months. The students in charge of obstetrical wards were required to follow their cases from the time of admission to the date of discharge. Mechanism of normal and abnormal labour cases and application of the commoner obstetrical instruments were demonstrated to the students regularly on the dummy.

Dr. P. Banerjee, M.B., 2nd Gynaecologist helped the Senior Gynaecologist in all operations along with senior students who were also given the facility of assisting in operations (Gynaecological and Obstetrical).

**Medical Jurisprudence.**—The Teacher of Medical Jurisprudence, who is the Medical Officer in charge of the local Police Hospital delivered 43 lectures to the 3rd and 4th year students and the students attended almost all medico-legal post-mortem cases in the local Police Morgue.

**Hygiene.**—Dr. S. K. Sinha, M.B., D.P.H., who is the District Health Officer is in charge of the department. He delivered 33 lectures to the 3rd and 4th year students. The department has a set of diagrams and a good number of beautiful demonstrating models for the purpose of proper training of the students in the subject.

**Hospital training.**—The hospital attached to the school treated 1,862 indoor patients during the year under report with a daily average of 71.78 and it treated 12,198 outdoor patients. The students were also detailed to duty to the local Sadar Hospital containing 36 beds where the school authorities have appointed a Physician to deliver beside clinic.

**Out-patients Department.**—Senior students were deputed in batches to this department where they had the opportunity of attending a variety of cases and also received clinical instructions on the outdoor cases. The four outdoor officers who are all M.B.'s gave regular clinical instructions on the cases attending the Out-patients Department of the hospital.

Dr. L. N. Das, M.Sc., M.B., second Teacher of Physiology was granted a study leave for three months for getting himself trained in Radiology. He has since then been appointed as Radiologist to the Hospital.

**Requirements.**—(a) A scheme for splitting up the outdoor department into different sections with different officers for each has been forwarded to the authority for sanction and scheme is expected to come into action during the present year.

(b) A proposal for opening a clinical room in the Out-patient Department is also within the scheme.

(c) Installation of X-ray apparatus which has kindly been gifted to the hospital by the authorities of the Vidyasagar College is also expected to take place within a short time.

### III.—Conduct and attendance of students.

Details of attendance are given in Table "A". The conduct of the students in the school and in the hospital is altogether satisfactory.

### IV.—Finance.

Details of receipt and expenditure with the previous year are explained at the foot of Table "E".

### V.—General Notes.

The Commissioner of Burdwan Division, Mr. Townend, I.C.S., District Magistrates, Bankura, Mr. S. K. Haldar, I.C.S., and Mr. Kripalini, I.C.S., Khan Bahadur Dr. S. M. Siddique, M.L.A., Chairman, District Board and many other respectable gentlemen very kindly visited the school and hospital.

**Hostel accommodation.**—The school hostel accommodated 150 students during the year under report, under the control of the hostel Superintendent, Mr. D. C. De, B.Sc., who is the resident in the compound. The messing of the students was controlled by the students themselves while the general disciplinary control was in the hands of a committee consisting of teachers.

**Athletic Club.**—The club has well been maintained and the students took great interest in competition and friendly games. The students played football in the ground of its own within the hostel compound. They also played tennis, badminton, etc.

**Library.**—The school has got a library which is equipped with necessary medical books and journals. According to the suggestion of the Inspection Committee of the Bengal Council of Medical Registration Rs. 600 nearly have been spent for purchasing books and journals for the improvement of the library. The total number of books including journals stand at 875 at present.

The students' common room has a separate library containing necessary books and journals for their use.

At last I gratefully acknowledge the sincerity of co-operation I received from the members of the teaching staff and clerical staff for running the institution.

RAMGOTI BANERJI, B.Sc., M.B.,

*Superintendent, Bankura Sammilani Medical School.*

BANKURA :

*The 10th August 1938.*

## ANNEXURE.

### Staff.

(1) *List showing the names of the staff with their academic qualifications and their duties in the Bankura Sammilani Medical School, also, whether whole-time, part-time or honorary.*

1. Dr. Ramgoti Banerjee, B.Sc., M.B. (Gold Medalist), Superintendent and Teacher of Midwifery and Gynaecology (part-time).

2. Dr. Anathbandhu Ray, M.B. (Gold Medalist), Teacher of Surgery, (part-time Officer).

3. Dr. Harshagopal Kundu, M.B., B.S., Teacher of Ophthalmic Surgery (part-time officer).

4. Dr. Durgadas Gupta, B.Sc., M.B., Teacher of Medicine (part-time officer).

5. Dr. Ramranjan Mukherjee, M.B., D.P.H., Teacher of Pathology (Medalist) (part-time officer).

6. Hariprasanna Mukherjee, M.B., Teacher of Pathology, (part-time officer).

7. Dr. Kanailal Bose, L.M.F., Teacher of Jurisprudence (part-time officer).

8. Dr. Sisirkumar Sinha, M.B., D.P.H., Teacher of Hygiene (part-time officer).

9. Dr. Kalikrishna Mitra, L.M.S., Teacher of Materia Medica (part-time officer).

10. Dr. Kalipada Banerjee, M.B. (Gold Medalist), Teacher of Physiology (part-time officer).

11. Dr. Lakshmi Narayan Das, M.Sc., M.B. (Gold Medalist), Assistant Superintendent and Teacher of Physiology (part-time officer).

12. Dr. Phanindra Nath De, M.B., Teacher of Anatomy (part-time officer).

13. Dr. Parbatiranjana Banerjee, M.B., Teacher of Anatomy (part-time officer).

14. Professor Anath Nath Haldar, M.Sc., Teacher of Chemistry (part-time officer).

15. Professor Abalakanta Choudhury, M.Sc., (Gold Medalist), Teacher of Physics (part-time officer).

16. Dr. Keshab Chandra Karmakar, B.A., L.M.F., Demonstrator of Anatomy (whole-time).

17. Dr. Jaminikanta Chakrabarty, L.M.F., Demonstrator of Anatomy (whole-time).

18. Dr. Kāti Ranjan Tewari, L.M.F., Demonstrator of Physiology (whole-time officer).

19. Dr. Bholanath Ghosh, L.M.F., Demonstrator of Materia Medica (whole-time officer).

20. Mr. Dineshchandra De, B.Sc., Demonstrator of Physics and Chemistry (whole-time).

(2) *List showing the names of the staff with academic qualifications and their duties in the Bankura Sammilani Medical School Hospital attached to the school, also, whether whole-time or part-time officer.*

1. Dr. Ramgoti Banerjee, B.Sc., M.B. (Gold Medalist), Superintendent of the Hospital and in-charge of the Gynaecological and Obstetrical ward and 2nd Surgeon (part-time officer).
2. Dr. Parboti Ranjan Banerjee, M.B., 2nd Gynaecologist (part-time).
3. Dr. Anath Bandhu Ray, M.B., (Gold Medalist), in-charge of the Surgical Ward (part-time officer).
4. Dr. Narayan Chandra Ray, L.M.F., Senior House Surgeon and Assistant Resident Medical Officer (whole-time officer).
5. Dr. Phanindra Nath De, M.B., Resident Medical Officer (whole-time).
6. Dr. Durgadas Gupta, B.Sc., M.B., in-charge of the Medical Ward (part-time officer).
7. Dr. Ram Ranjan Mukherjee, M.B., D.P.H., Second Physician (part-time officer).
8. Dr. Hariprasanna Mukherjee, M.B., Out-patient Department (part-time).
9. Dr. Kali Krishna Mitra, L.M.S., Out-patient Department (part-time).
10. Dr. Lakshmi Narayan Das, M.Sc., M.B., (Gold Medalist), Out-patient Department (part-time officer).
11. Dr. Ram Narayan Barat, L.M.F., Senior House Physician (whole-time officer).
12. Dr. Harsha Gopal Kundu, M.B., B.S., in-charge of Ophthalmic Ward and Ophthalmic Out-patient Department (part-time officer).

Two Junior House Surgeons (whole-time) were appointed for a period of six months, for the first half of the year and four for the latter part.

(3) *Changes in the teaching Staff during the year.*

1. Dr. R. Mukherjee, M.B., D.P.H., Teacher of Pathology who was on leave (study) up to September 1938 took over the charge of Pathology Department in October 1938 from Dr. H. Mukherjee, M.B., 2nd Teacher of Pathology.
2. Dr. L. N. Das, M.Sc., M.B., 2nd Teacher of Physiology was granted study leave for 3 months from June 1939 to get himself trained as a Radiologist and Dr. R. Tewari, L.M.F., Demonstrator of Physiology was deputed with the duties in addition to his duty.
3. Mr. D. C. De, B.Sc., was appointed as a Demonstrator of Physics and Chemistry from November 1938.

**Students.**

1. Sex of students—Male 232.
2. Maximum number of new students annually (admission)—During the year 1938-39 new admission was 74.
3. Age limit, high and low for students on admission to the School—There is no age limit for admission into a medical school, but the students must be above 16 years on the 1st day of the month in which they will have to appear for Primary Licentiate Examination.
4. Standard of general education required on admission to the school—Matriculation or its equivalent is the minimum standard.

**Examinations.**

1. Names of examiners at each of the examinations—Vide Appendix A.
2. By whom appointed and for how long at a time—Vide Appendix A.
3. Percentages of marks required at each examination to obtain a pass—40 per cent. in written and 40 per cent. in Oral Practical.
4. Proportion of students who take all the subjects at the Final Examinations—61·17.

**Financial.**

1. Cost to the body responsible for the school per student per annum in the school—Rs. 191-5-3.
2. Percentage of student paid for by—
  - (a) Government—Nil.
  - (b) Local Bodies or other agencies—1·94 per cent.
  - (c) Privately by guardians—98·06 per cent.

**Equipments.**

1. Number of sanctioned beds in attached hospital—104, and daily number of inpatients 76·55.
2. Average number of confinement cases annum during the last three years—

		Normal.	Abnormal.	Total.
1936-37	...	45	63	108
1937-48	...	31	38	69.
1938-39	...	44	37	81.

3. Number of microscope allotted for the personal use of students in teaching—

- (a) Physiology ... 12 only
- (b) Pathology ... 4 only

RAMGOTI BANERJI,  
Superintendent,

*Bankura Sammilani Medical School.*

BANKURA,  
*The 4th October 1939.*







TABLE B.

Statement showing the classification of students according to religion and nationality taught in and passed out of the Bankura Sammilani Medical School, Bankura, during the year 1938-39.

Classification.	Total number of students taught during the year, i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Licentiate Examination of the State Medical Faculty of Bengal.	
	Male.	Female.	Male.	Female.
<i>Religion.</i>				
Indian Christian ..	1	..	..	..
Hindus ..	228	..	32	..
Muhammadans ..	3	..	1	..
Others ..	..	..	..	..
Total ..	232	..	33	..
<i>Nationality.</i>				
Bengalees ..	209	..	31	..
Biharees ..	15	..	1	..
Punjabees ..	6	..	1	..
Others ..	2	..	..	..
Total ..	232	..	33	..

TABLE C.

Statement showing the classification according to preliminary general education of the students admitted during the year 1938-39 and the previous year in the Bankura Sammilani Medical School, Bankura.

Classification.	Hindus.		Muhammadans.		Christians.		Others.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1937-38.								
B. A. ..	..	..	..	..	..	..	..	..
B. Sc. ..	1	..	..	..	..	..	..	..
I. A. ..	1	..	..	..	..	..	..	..
I. Sc. ..	..	..	..	..	..	..	..	..
Matriculation ..	31	..	..	..	1	..	..	..
1938-39.								
B.A. ..	..	..	..	..	..	..	..	..
B.Sc. ..	..	..	..	..	..	..	..	..
I.A. ..	..	..	..	..	..	..	..	..
I.Sc. ..	..	..	..	..	..	..	..	..
Matriculation ..	71	..	2	..	..	..	..	..
	Sikh 1	..	..	..	..	..	..	..

**TABLE D**  
**Statements showing the results of the of State Medical Faculty of Bengal during the year 1932-39**  
**and the previous year.**

Session.	Final Licentiate Examination.				Intermediate Licentiate Examination.				Primary Licentiate Examination.									
	Number appeared.		Number passed.		Percentage of passed.		Number appeared.	Number passed.		Percentage of passed.	Number appeared.		Number passed.		Percentage of passed.			
								November examination.	May examination.				November examination.	May examination.				
	November examination.	May examination.	November examination.	May examination.	November examination.	May examination.	November examination.			May examination.								
1937-38 ..	49	41	13	20	26.53	48.78	38	55	9	18	23.78	32.72	8	26	4	20	50.00	76.92
1938-39 ..	37	48	11	22	29.70	45.83	36	33	17	11	47.22	33.33	10	59	6	35	60.00	59.32

TABLE

## Statement showing the income and expenditure of the Bankura Sammilani

Heads of receipt.	Income.			
	1937-38.	1938-39.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
Opening balance ..	6,234	7,564	(a) 1,330	....
Fees and fines ..	23,906	24,090	(b) 184	....
Faculty fees ..	4,022	3,878	....	(c) 144
Municipal grant ..	1,125	1,125	....	....
District Board grant ..	1,200	1,200	....	....
Miscellaneous ..	10,934	10,634	....	(d) 300
Grand Total ..	47,421	48,491	1,514	444

(a) Due to more balance of the previous year.

(b) Due to more number of students.

(c) Due to less number of students appeared at the Faculty Examination

(d) Due to less income.

BANKURA:

The 4th October 1939.

E.

**Medical School, Bankura, during the year 1938-39 and the previous year.**

Heads of expenditure.	Expenditure.			
	1937-38.	1938-39.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
Contingency ..	2,802	2,786	....	(a) 16
Books and allowances ..	183	581	(b) 398	....
Faculty fees ..	3,966	3,920	....	(c) 46
Establishment charges ..	16,710	17,691	(d) 981	....
Furniture ..	....	88	(e) 88	....
Scholarship ..	90	110	(f) 20	....
Taxes and house rents ..	1,020	1,455	(g) 435	....
Buildings and repairs ..	707	18	....	(h) 689
Provident Fund ..	1,437	496	....	(i) 941
Contribution towards hospital fund.	12,942	11,373	....	(j) 1,569
Total expenditure ..	39,857	38,518	1,922	3,261
Closing balance ..	7,564	9,073	2,409	....
Grand Total ..	47,421	48,491	4,331	3,261

(a) Due to less expenditure during the year.

(b) Due to more books purchased during the year.

(c) Due to less number of students appeared at the Faculty examination.

(d) Due to the new appointment of a Demonstrator for the Physics and Chemistry.

(e) Due to furniture purchased.

(f) Due to the payment of 3rd quarter's scholarship of the previous year.

(g) Due to more taxes for rented hostel paid.

(h) Due to expenses for Hostel building.

(i) Due to less contribution deposited in the P. F. Account.

(j) Due to less expenses for hospital.

**RAMGOTI BANERJEE, B.Sc., M.B.,***Superintendent, Bankura Sammilani Medical School.*



# Annual Report of the Jatiya Ayurbijnan Vidyalaya or the National Medical Institute, Calcutta, for the year 1938-39.

(Session beginning in July 1938, ending in June 1939.)

## I.—Building and Accommodation.

For the purpose of holding lectures, for laboratories, dissection and for administration—the accommodation in the existing school building is ample. Besides two big lecture halls, there is an examination hall, which, however, is used as the reading room while the examinations are not on. A room has been given to the students to be used as their common room. There are servants' quarters though not sufficient to accommodate all the menial staff. The school building with its playground and other open spaces covers 9 bighas of land.

The premises of the Chittaranjan Hospital also cover an area of 13 bighas of land and have room for 165 beds *plus* quarters for the nursing staff and some menials. The National Infirmary (at 189, Manicktalla Main Road) attached to this institution, now accommodates 75 patients, of whom 40 are for T. B. patients. It has got 4 blocks besides menials' quarters.

## II.—Teaching and Equipment.

More than the prescribed courses of lectures and practical classes were held in all the subjects. The number of classes and demonstrations held was as follows:—

### (a) Physics and Chemistry.

		Lectures.	Practical Demonstrations.
Physics	...	52	97
Chemistry	...	56	105

There were two teachers and an assistant.

**(b) Anatomy Department.**—The number of classes and demonstrations held was as follows:—

The 1st year and the 2nd year students were given 49 and 58 lectures, respectively, of which 10 lectures were delivered combinedly. Total number of students who attended practical classes were 251. Regular students were divided into 8 batches; 5 for the 1st year and 3 for the 2nd year. Total number of demonstration lectures delivered by the demonstrators were 481. Twenty-eight bodies were dissected during the year under review. The Professor was assisted by one Associate Professor and 5 demonstrators.

**(c) Physiology Department.**—Seventy-eight lectures were delivered to the 2nd year regular batch, 52 to the 1st year regular and 32 to the irregular batches.

Regular 1st year class was divided into 5 batches and the regular 2nd year into 3 batches. Each batch of the 1st year class received 25 demonstration lectures and the 2nd year class was benefited by 40 demonstration classes. Altogether 291 demonstration classes were held by the demonstrators.

**(d) Materia Medica Department.**—Ninty-nine systematic lectures were delivered by the Professor-in-charge during the year with the assistance of the Associate Professor to the 1st and 2nd year classes. Altogether 363 demonstration classes were held by the demonstrators.

Tutorial classes and practical examinations were regularly held. The museum contains more than 400 important specimens.

**(e) Pathology and Bacteriology Department.**—Forty-nine systematic lectures were delivered by the Professor-in-charge during the year. The 3rd and 4th year students received altogether 243 demonstration lectures. Number of post-mortem done during the year was 58 against 31 in the previous year. The total number of Pathological, Bacteriological and Serological work done in the year was 1,361 against 1,563 in the previous year (excluding the work done in the clinical room of the Chittaranjan Hospital).

**(f) Medicine Department.**—The Professor-in-charge with his Associate Professor delivered 82 lectures. Tutorial classes were also regularly held. The tutor gave regular instruction in case taking and in physical diagnosis. Medical officer attached to the outdoor and the junior visiting staff of the National Infirmary also helped in giving students elementary instructions in physical diagnosis. Moreover, regular bedside clinics were given by the Professor-in-charge and his Associate Professor and other Physicians attached to the Chittaranjan Hospital.

**(g) Surgery Department.**—The Professor-in-charge with his Associate Professor delivered 70 lectures and tutorial classes, in batches, were held 114 times. Besides these, 20 lectures in Ophthalmic Surgery and 8 Radiology classes were held. The tutor also taught the students bandaging and minor surgery. Forty operative surgery classes were held. Regular instructions were given in administration of Anæsthetics. Clinics were given regularly by the Professor, Associate Professor and other Surgeons attached to the Chittaranjan Hospital. They also received instruction in Ophthalmology and diseases of ear, nose and throat.

**(h) Midwifery and Gynæcology Department.**—One hundred lectures were delivered in Midwifery, Gynæcology and Pediatrics by Professor-in-charge and Associate Professor. The tutorial classes met 50 times. Regular clinics were given by the Professor and Associate Professor.

**(i) Medical Jurisprudence and Hygiene Department.**—The teachers besides delivering more than the prescribed course of lectures, held special demonstration classes and took students outside for special demonstrations. Medico-legal post-mortems were witnessed by the students at the Police Morgue, Calcutta.

**(j) Hospital Training.**—Instructions on diseases including eye, ear, nose and throat were imparted in the outdoor and the indoor of the Chittaranjan Hospital. Besides, the students attended the Venereal



Hospital at Alipur regularly. The two hospitals attached to the National Medical Institute are:—

1. Chittaranjan Hospital containing 165 beds.
2. National Infirmary at Manicktolla containing 75 beds. Number of labour cases treated at the Chittaranjan Hospital was 380 against 400 in the previous year.

There is a special Tuberculosis Outdoor Department attached to the Chittaranjan Hospital where the Tuberculosis Association of Bengal has been given quarters. Total number of cases attending the T. B. Outdoor was 1,005 of which 887 cases were new.

**(k) Conduct and Attendance of students.**—Conduct has been satisfactory; so also is the percentage of attendance. The results of various examinations under the State Medical Faculty were fairly satisfactory.

**(l) Finances.**—Financial condition of the school is satisfactory (*vide* Table E attached elsewhere). Average primary cost per student is approximately Rs. 310-3 against Rs. 291-12 last year.

**(m) Establishment.**—Dr. Sundari Mohan Das, M.B., was the Principal and Dr. S. C. Sen Gupta, M.D., F.R.C.S. (Edin.) and Dr. K. S. Ray, M.A., B.Sc., M.B., ch.B. (Edin.) were the two Honorary Secretaries, on whom the management of the Institute was vested under the guidance and control of the Executive Committee.

**(n) Teaching Staff.**—

**Medicine—**

Dr. S. C. Sen Gupta, M.D., F.R.C.S. (Edin.), Professor-in-charge.

Dr. D. R. Dhar, M.B., M.R.C.P. (Lond.), D.T.M. (Cal.), Associate Professor.

Dr. A. K. Sen, M.B., Tutor of Medicine.

Dr. N. Mullick, L.M.F., Assistant Clinical Tutor.

**Surgery—**

Dr. K. S. Ray, M.A., B.Sc., M.B., ch.B. (Edin.), Professor-in-charge.

Dr. S. N. Chatterjee, M.B., Associate Professor.

Dr. P. C. Sannyal, M.B., F.R.C.S. (Lond.), Associate Professor.

Dr. Amiya Kumar Sen, M.B., F.R.C.S. (Lond.), Associate Professor.

Dr. J. N. Majumder, M.Sc., M.B., M.R.C.S. (Edin.), F.R.C.S. (Edin.), Tutor of Surgery.

Dr. M. L. Mukherjee, L.M.F., Assistant Clinical Tutor.

**Midwifery and Gynæcology—**

Dr. S. Das, M.B., Professor-in-charge.

Dr. H. N. Ray, M.B., M.C.O.G. (Lond.), Associate Professor.

Dr. A. K. Acharjee, M.B., D.G.O. (Lond.), D.G.O., L.M. (Dub.), M.R.C.S., L.R.C.P., Clinical Tutor.

Dr. A. Paul, L.M.F., L.M. (Dub.), Assistant Clinical Tutor (Honorary).

**Medical Jurisprudence and Hygiene—**

Capt. S. K. Bose, M.B., I.M.S. (Retd.), Professor-in-charge, Medical Jurisprudence.

Dr. M. U. Ahmed, M.B., D.T.M., Associate Professor, Hygiene.

Dr. L. M. Biswas, L.M.S., L.R.C.P., D.P.H., D.T.M. & H., Professor-in-charge, Hygiene.

Dr. D. C. Sinha, L.M.F., Assistant Demonstrator.

**Pathology and Bacteriology—**

Dr. S. K. Basu, M.B., ch.B. (Edin.), Professor of Pathology.

Dr. S. K. Dutta, M.B., Demonstrator.

Dr. S. N. Mitra, M.B., Demonstrator.

**Radiology—**

Capt. R. Bhattacharjee, M.B., I.M.S. (Retd.), Professor of Radiology.

**Materia Medica—**

Dr. D. N. Bose, L.R.C.P., M.R.C.S. (Lond.), Professor-in-charge.

Dr. S. K. Bose, M.B., Associate Professor.

Dr. S. C. Lahiri, M.D. (Cal.), Demonstrator.

Dr. J. N. Roychowdhury, L.M.F., Assistant Demonstrator.

**Anatomy—**

Dr. S. K. Chatterjee, M.B., Professor-in-charge.

Dr. R. N. Ghose, M.B., F.R.C.S. (Edin.), Associate Professor.

Dr. P. C. Roy, M.B., Demonstrator.

Dr. A. C. Majumder, M.B., Demonstrator.

Dr. Q. M. Mussa, M.B., ch.B. (Edin.), Demonstrator.

Dr. K. L. Mukherjee, M.B., Demonstrator (on leave).

Dr. B. N. Bose, L.M.F., Demonstrator (Offg.).

Dr. S. N. Banerjee, M.B., Temporary Demonstrator.

**Physiology—**

Dr. B. C. Ghosh, M.A., M.B., B.C. (Cantab.), Professor-in-charge.

Dr. B. C. Bhattacharjee, B.A., M.B., Demonstrator.

Dr. B. C. Das, B.Sc., M.B., Demonstrator.

Dr. S. S. Sarkar, L.M.F., Assistant Demonstrator.

**Physics and Chemistry—**

Dr. P. K. Sinha, B.Sc., M.B., Lecturer of Physics.

Dr. B. D. Mukherjee, B.Sc., M.B., F.C.S. (Lond.), Lecturer of Chemistry.

Dr. S. C. Saha, L.M.F., Assistant Demonstrator.

### Ophthalmology—

Dr. S. K. Ganguly, M.B., Professor-in-charge.

In addition to the abovenamed teachers:—

Dr. J. K. Dutta, M.B., F.R.C.S. (Edin.), in diseases of Ear, Nose and Throat participated in clinical teaching in that subject.

Dr. K. S. Ray, M.A., B.Sc., M.B., Ch.B. (Edin.), and Dr. B. C. Ghosh, M.A., M.B., B.C. (Cantab.), worked as Superintendents of the Chattaranjan Hospital and National Infirmary (a Home and Hospital for the diseased destitutes), respectively.

**Free studentship.**—Altogether 12 students were given free studentship throughout the year.

**Library.**—Books worth Rs. 389 were purchased during the year including Journals.

**General notes.**—As a result of better accommodation and equipments the teaching is now going on quite satisfactorily, and there is nothing more to add in this direction.

I beg to acknowledge herewith loyal co-operation of the staff of the Institute.

### Particulars as required by the Director-General under Annexure 1.

#### 1.—*Staff of the National Medical Institute.*

Dr. Sundari Mohan Das, M.B., Principal (whole-time).

#### Physics and Chemistry Department—

Dr. P. K. Sinha, B.Sc., M.B., Lecturer (part-time).

Dr. B. D. Mukherjee, B.Sc., M.B., F.O.S. (Lond.), Lecturer (part-time).

Dr. S. Saha, L.M.F., Assistant Demonstrator (part-time).

#### Materia Medica Department—

Dr. D. N. Bose, L.R.C.P., M.R.C.S. (Lond.), Professor-in-charge (Honorary).

Dr. S. K. Bose, M.B., Associate Professor (Hony.).

Dr. S. C. Lahiri, M.D. (Cal.), Demonstrator (part-time).

Dr. J. N. Roychowdhury, L.M.F., Assistant Demonstrator (part-time).

#### Physiology Department—

Dr. B. C. Ghosh, M.A., M.B., B.C. (Cantab.), Professor-in-charge (Honorary).

Dr. B. C. Das, B.Sc., M.B., Demonstrator (part-time).

Dr. B. C. Bhattacharjee, B.A., M.B., Demonstrator (part-time).

Dr. S. S. Sarkar, L.M.F., Assistant Demonstrator (part-time).

**Anatomy Department—**

- Dr. S. K. Chatterjee, B.Sc., M.B., Professor-in-charge (Honorary).  
 Dr. R. N. Ghosh, M.B., F.R.C.S. (Edin.), Associate Professor (Hony.).  
 Dr. P. C. Roy, M.B., Demonstrator (part-time).  
 Dr. A. C. Majumder, M.B., Demonstrator (part-time).  
 Dr. Q. M. Mussa, M.B., Ch. B. (Edin.), Demonstrator (part-time).  
 Dr. K. L. Mukherjee, M.B., Demonstrator (on leave) (part-time).  
 Dr. B. N. Bose, L.M.F., Officiating Demonstrator (part-time).  
 Dr. S. N. Banerjee, M.B., Temporary Demonstrator (part-time).

**Medicine Department—**

- Dr. S. C. Sen Gupta, M.D., F.R.C.S. (Edin.), Capt. I.M.S. (Retd.), Professor-in-charge (Honorary).  
 Dr. D. R. Dhar, M.B., M.R.C.P. (Lond.), D.T.M. (Cal.), Associate Professor (Hony.).  
 Dr. A. K. Sen, M.B., Tutor (part-time).  
 Dr. N. Mallick, L.M.F., Assistant Clinical Tutor (part-time).

**Surgery Department—**

- Dr. K. S. Ray, M.A., B.Sc., M.B., Ch.B. (Edin.), Professor-in-charge (Honorary).  
 Dr. S. N. Chatterjee, M.B., Associate Professor (Honorary).  
 Dr. P. C. Sannyal, M.B., F.R.C.S. (London), Associate Professor (Honorary).  
 Dr. A. K. Sen, M.B., F.R.C.S. (Lond.), Associate Professor (Honorary).  
 Dr. J. N. Majumdar, M.Sc., M.B., F.R.C.S. (Edin.), Tutor (part-time).  
 Dr. M. L. Mukherjee, L.M.F., Assistant Clinical Tutor (part-time).

**Midwifery Department—**

- Dr. S. Das, M.B., Professor-in-charge (Honorary).  
 Dr. H. N. Roy, M.B., M.C.O.G. (Lond.), Associate Professor (Honorary).  
 Dr. A. K. Acharjee, M.B., D.C.O.G., (Lond.), D.G.O., L.M. (Dub.), M.R.C.S., L.R.C.P. (Lond.), Clinical Tutor (part-time).  
 Dr. A. Paul, L.M.F., L.M. (Dub.), Assistant Clinical Tutor (Honorary).

**Medical Jurisprudence and Hygiene Department—**

- Capt. S. K. Bose, M.B., I.M.S. (Retd.), Professor-in-charge (Honorary).  
 Dr. L. M. Biswas, L.M.S. (Cal.), L.R.C.S. (Edin.), D.T.M. & H. (Cantab.), D.P.H. (Lond.), Professor-in-charge (Honorary).  
 Dr. M. U. Ahamed, D.P.H., D.T.M. (Lond.), etc., Associate Professor (Honorary).  
 Dr. D. C. Sinha, L.M.F., Assistant Demonstrator (part-time).

**Pathology and Bacteriology Department—**

Dr. S. K. Basu, M.B., Ch.B. (Edin.), Professor-in-charge (Honorary).

Dr. S. K. Dutta, M.B., Demonstrator (part-time).

Dr. S. N. Mitra, M.B., Demonstrator (part-time).

**Ophthalmology Department—**

Dr. S. K. Ganguly, M.B., Professor-in-charge (Honorary).

**Radiology Department—**

Capt. R. Bhattacharjee, M.B. Professor-in-charge (Honorary).

**Chittaranjan Hospital, Staff—**

Sir, U. N. Brahmachari, Kt.M.A., M.D., Ph.D., C.I., Physician-in-charge, Kala-Azar Ward.

Dr. S. C. Sen Gupta, M.D., F.R.C.S. (Edin.), Capt. I.M.S. (Retd.), Physician, Medical Ward.

Dr. D. R. Dhar, M.B., M.R.C.P. (Lond.), D.T.M. (Cal.), Physician, Medical Ward.

**Honorary Physicians—**

Dr. S. C. Lahiri, M.D. (Cal.), Cholera Ward.

Dr. N. K. Brahmachari, M.B. (Cal.), Cholera Ward.

Dr. H. N. Ghosh, M.B. (Cal.), etc., Cholera Ward.

**Honorary Surgeons—**

Dr. K. S. Ray, M.A., B.Sc., M.B., Ch.B. (Edin.), Surgical Ward.

Dr. Lt.-Col K. K. Chatterjee, I.T.F., F.R.C.S.I., Surgical Ward.

Dr. S. N. Chatterjee, M.B. (Cal.), Surgical Ward.

**Honorary Associate Surgeons—**

Dr. P. C. Sannyal, M.B., F.R.C.S. (Lond.), Surgical Ward.

Dr. A. K. Sen, M.B., F.R.C.S. (Lond.), Surgical Ward.

**Honorary Ophthalmic Surgeons—**

Dr. S. K. Ganguly, M.B. (Cal.), Ophthalmic Ward.

Dr. C. C. Mukherjee, M.B., D.O.M.S. (Lond.), Ophthalmic Ward.

**Honorary Gynaecologist and Obstetricians—**

Dr. S. M. Das, M.B. (Cal.), Obstetrical Ward.

Dr. H. N. Roy, M.B., M.C.O.G. (Lond.), Gynaecological Ward.

**Honorary Surgeon E. N. T.—**

Dr. J. K. Dutta, M.B., F.R.C.S., M.R.C.P. (Edin.), L.R.C.P. (Eng.), Surgeon, Ear, Nose and Throat.

**Honorary Clinical Pathologist—**

Dr. S. K. Basu, M.B., Ch.B. (Edin.).

**Clinical Pathologist—**

Dr. M. N. Sarkar, M.B. (Cal.).

**Honorary Psychiatrist—**

Dr. B. C. Ghosh, M.A., M.B., B.C. (Cantab.).

**Honorary Anaesthetist—**

Dr. J. C. Banerjee, M.B. (Cal.).

**Honorary Radiologists—**

Capt. R. Bhattacharjee, B.Sc., M.B.

Dr. D. N. Banerjee, M.B. (Cal.), M.D. (Berlin).

**Assistant to Radiologists—**

Dr. R. C. Dutta, L.M.F.

Dr. B. Dutta, L.M.F.

Dr. A. N. Roy, L.M.F. (on leave).

*Outdoor officers.***Medical—**

Dr. S. C. Chatterjee, M.B., L.R.C.P., M.R.C.S. (Lond.) (part-time).

**Surgical—**

Dr. R. Ganguly, M.B. (Cal.) (part-time).

Dr. P. C. Dutta, L.R.C.P. & S. (Edin.), L.M. (Dub.) (part-time).

**Female Medical and Gynaecological—**

Dr. K. P. Bhadury, M.B. (Cal.) (part-time).

**V. D. Outdoor—**

Dr. J. M. Modak, M.B., Ch.B. (Edin.), M.R.C.P. (Edin.) (part-time).

**Ear, Nose and Throat—**

Dr. J. K. Dutta, M.B., F.R.C.S. (Edin.), L.R.C.P. (Eng.) (part-time).

**Superintendent—**

Dr. K. S. Ray, M.A., B.Sc., M.B., Ch.B. (Edin.).

**Resident Medical Officer—**

Dr. P. C. Dutta, L.R.C.P. & S. (Edin.), L.R.C.P. & S. (Glasgow), L.M. (Dub.).

**Registrar and Emergency Officer—**

Dr. R. C. Dutta, L.M.F.

*House Surgeons and House Physicians.*

- Dr. Kanai Lal De, L.M.F.  
 Dr. Kanai Lal Das, L.M.F. (I).  
 Dr. Khudiram Chatterjee, L.M.F.  
 Dr. Kanai Lal Das, L.M.F. (II).  
 Dr. Mrs. Bina Chowdhury, L.M.F.  
 Dr. N. N. Biswas, L.M.F.  
 Dr. Santosh Bh. De, L.M.F.  
 Dr. B. N. Sinha Chowdhury, L.M.F.  
 Dr. B. R. Bose, L.M.F.  
 Dr. M. N. Dutta, L.M.F.  
 Dr. G. B. Bhattacharjee, L.M.F.  
 Dr. Mrinal Nandi, L.M.F.  
 Dr. Sudhanshu Mohan Basu, L.M.F.  
 Dr. Bhupendra Nath Bhar, L.M.F.  
 Dr. S. C. Saha, L.M.F.  
 Dr. K. S. Saha, L.M.F.  
 Dr. P. D. Dutta, L.M.F.  
 Dr. S. C. Chatterjee, L.M.F.  
 Dr. A. K. Roy, L.M.F.  
 Dr. R. N. Manna, L.M.F.  
 Dr. P. Biswas, L.M.F.  
 Dr. A. B. Das Gupta, L.M.F.  
 Dr. D. Koley, L.M.F.  
 Dr. A. K. Sannyal, L.M.F.  
 Dr. S. S. Samanta, L.M.F.  
 Dr. E. Haque, L.M.F.  
 Dr. R. Dutta, L.M.F.  
 Dr. S. Roy, L.M.F.  
 Dr. H. K. Bose, L.M.F.  
 Dr. N. C. Mukherjee, L.M.F.  
 Dr. N. C. Sen, L.M.F.  
 Dr. B. B. Bagchi, L.M.F.  
 Dr. D. L. Podder, L.M.F.  
 Dr. D. C. Rakshit, L.M.F.  
 Dr. N. K. Chowdhury, L.M.F.  
 Dr. B. K. Roy, L.M.F.  
 Dr. A. K. Dey, L.M.F.  
 Dr. X. Gomes, L.M.F.  
 Dr. S. N. Manna, L.M.F.  
 Dr. A. S. Nath, L.M.F.  
 Dr. S. K. Paul, L.M.F.

Dr. P. C. Chatterjee, L.M.F.  
 Dr. M. L. Sen, L.M.F.  
 Dr. P. K. Bhadury, L.M.F.  
 Dr. R. C. Das, L.M.F.  
 Dr. G. P. Kundu, L.M.F.  
 Dr. P. C. Paul, L.M.F.  
 Dr. P. N. Mehra, L.M.F.  
 Dr. S. N. Sen Gupta, L.M.F.  
 Dr. M. Das, L.M.F.  
 Dr. S. R. Sen, L.M.F.  
 Dr. R. R. Indu, L.M.F.

(They are all whole-time workers.)

3. Dr. S. N. Banerjee, M.B., has been temporarily appointed as Demonstrator of Anatomy in place of Dr. K. L. Mukherjee, M.B. (on leave) and Dr. A. Paul, L.M. (Dub.) has newly been appointed as a Honorary Assistant Clinical Tutor of Obstetrics and Gynaecology.

(4) *Students.*

1. Males and females.
2. Generally 100.
3. Above 15 years.
4. At least the candidate must have passed the Matriculation Examination or its equivalent.

*Examination.*

1. Vide Appendix "A".
2. Vide Appendix "A".
3. Vide Appendix "A".
4. Cent Per cent. (compulsory).

*Financial.*

1. Rs. 310-3 per student per annum.
2. (a) Nil.  
      (b) Nil.  
      (c) Nil.

*Equipments.*

1. (a) Chittaranjan Hospital 165 beds—average daily—102.  
      (b) National Infirmary 75 beds—average daily—71.  
      (c) Voluntary Venereal Hospital—80 beds.
2. 348·7.
3. Physiology 18.  
      Pathology 19.



**TABLE A**  
**Statement showing the attendance of students of the National Medical Institute, Calcutta, during the year 1932-39 and the previous year.**

Session.	1	Left, died, etc., during the year.										Average monthly number of pupils.			Average daily attendance.			
		2	3	4	5	6	7	8	9	10	11	12	13	14		15	16	17
		Remained on the rolls from the previous year.	Admitted during the year.	Re-admitted during the year.	Admitted on production of transfer from other medical schools.	Total.	Left school after having passed the final examination.	Removed for absence without leave.	Removed for non-payment of school fees.	Removed for failure at the school test examination.	Misplaced or removed for misconduct.	Transferred to other medical schools.	Resigned or left otherwise.	Died.	Total.	Remained at the end of the year.	Average monthly number of pupils.	Average daily attendance.
1937-38.																		
Male	..	313	87	5	3	408	61	..	24	7	..	..	18	..	110	298	356.2	345.3
Female	..	2	1	..	..	3	..	..	..	..	..	..	..	..	..	3	..	..
1938-39.																		
Male	..	298	93	12	4	407	54	..	23	10	..	2	25	2	116	291	352.4	349.8
Female	..	3	1	..	..	4	1	..	..	..	..	..	1	..	2	2	..	..

TABLE B.

Classification of students according to religion and nationality taught in and passed out of the National Medical Institute, Calcutta, during the year 1938-39.

Classification.  1	Total number of students taught during the year, i.e., the number remaining from the previous year and the number admitted during the year.		Number passed out during the year in the Final Examination as L. M. F. or Final Licentiate Examination of the State Medical Faculty of Bengal.	
	Male. 2	Female. 3	Male. 4	Female. 5
<i>Religion.</i>				
1. Anglo-Indian ..	..	..	..	..
2. Indian Christians ..	2	2	..	1
3. Hindus—				
(i) Brahmins ..	60	..	13	..
(ii) Non-Brahmins ..	327	2	41	..
4. Muhammadans ..	18	..	..	..
5. Buddhist ..	..	..	..	..
Total ..	407	4	54	1
<i>Nationality.</i>				
1. Anglo-Indian ..	..	..	..	..
2. Bengalee ..	323	3	43	1
3. Madrasee ..	20	..	3	..
4. Punjabee ..	44	..	5	..
5. Rajput ..	5	..	2	..
6. Beharee ..	12	1	1	..
7. Asameese ..	3	..	..	..
Total ..	407	4	54	1

TABLE C.

Classification according to preliminary general qualification of students admitted during the year 1938-39 and the previous year.

Classification.	Hindus.		Muhammadans.		Christians.		Others.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	2	3	4	5	6	7	8	9
B.A. & B.Sc.—								
1937-38 ..	..	..	..	..	..	..	..	..
1938-39 ..	..	..	..	..	..	..	..	..
I.A. or I.Sc.—								
1937-38 ..	4	..	..	..	..	..	1	..
1938-39 ..	6	..	..	..	..	..	1	..
Matriculation—								
1937-38 ..	72	1	3	..	1	..	..	..
1938-39 ..	64	1	3	..	1	..	9	..
Others—								
1937-38 ..	8	..	..	..	..	..	..	..
1938-39 ..	9	..	..	..	..	..	..	..

**TABLE D.**  
**Statement showing the results of examinations of the State Medical Faculty of Bengal during the year 1938-39 and the previous year.**

Session.	Final Licentiate Examination.						Intermediate Licentiate Examination.						Primary Licentiate Examination.					
	Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.		Number appeared.		Number passed.		Percentage of passed.	
1.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.	April examination.	October examination.
1937-38.	79	78	37	24	46.8	30.7	83	60	29	24	34.9	40.0	68	14	43	9	63.8	64.3
Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1938-39.	87	71	29	25	33.3	35.2	75	61	23	29	30.6	47.5	60	21	43	16	71.6	76.1
Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Female	1	1	..	1	..	100.0	..	..	..	..	..	..	1	..	1	..	100.0	..

TABLE E.

Statement showing the income and expenditure of the National Medical Institute, Calcutta, during the year 1938-39 and the previous year.

Heads of receipts.	Income.			
	1937-38.	1938-39.	Increase.	Decrease.
	2	3	4	5
1	Rs.	Rs.	Rs.	Rs.
Opening balances .. ..	51,214	72,840	21,626	....
<i>School account.</i>				
Donations and subscriptions ..	4,322	1,690	....	(d)2,632
Students' union fees ..	1,224	1,206	....	18
School fees ..	65,324	64,641	....	(e)683
Miscellaneous receipts ..	988	1,156	(a)168	....
Interest account ..	1,001	1,258	(b)254	....
District Board, 24-Parganas, grant, ..	400	400	....	....
Stipend and Scholarship Fund ..	175	260	85	....
Caution Deposit refundable ..	1,115	1,065	....	50
Security Deposit ..	....	200	(c)200	....
Advance recovered ..	5,000	....	....	(f)5,000
Total ..	79,552	71,876	22,333	8,383
Grand Total ..	1,30,766	1,44,716	22,333	8,383

(a), (b) Due to more receipt during the year.

(c) Due to this receipt during the year.

(d), (e) Due to less receipt during the year.

(f) Due to no amount being adjusted during the year.

Heads of expenditure.	Expenditure.			
	1937-38.	1938-39.	Increase.	Decrease.
	7	8	9	10
6	Rs.	Rs.	Rs.	Rs.
<i>School account.</i>				
Revenue expenses—				
Establishment charges ..	28,338	31,079	(a)2,741	....
Examination charges ..	213	339	(b)126	....
Printing and stationery charges ..	383	368	....	15
Rent and taxes ..	4,443	4,443	....	....
Repairs and fittings ..	232	158	....	74
Students' union fees ..	1,535	1,300	....	(f)235
Audit charges ..	327	339	12	....
Electric charges ..	611	654	43	....
Telephone charges ..	265	265	....	....
Gas charges ..	252	245	....	7
Stipend and scholarship ..	260	390	(c)130	....
Miscellaneous charges ..	2,776	2,311	....	(g)465
Total ..	39,635	41,891	3,052	796
Advance recoverable ..	460	288	....	(h)172
Caution deposit refunded ..	1,080	990	....	90
Total ..	1,540	1,278	....	262

Heads of expenditure.	Expenditure.			
	1937-38.	1938-39.	Increase.	Decrease.
6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.
<i>Capital expenditure.</i>				
Library books ..	543	389	....	(d)154
Furniture, Instruments, etc. ..	7,689	2,527	....	(j)5,162
Total ..	8,232	2,916	....	5,316
<i>Constructions.</i>				
School building ..	492	....	....	(k)492
Total ..	49,899	46,085	3,814	6,866
<i>Hospital accounts.</i>				
Chittaranjan Hospital ..	2,988	5,222	(d)2,234	....
National Infirmary ..	5,039	10,875	(e)5,836	....
	8,027	16,097	8,070	....
Total ..	57,926	62,182	11,122	6,866
Closing balance ..	72,840	82,534	9,694	....
Grand Total ..	1,30,766	1,44,716	20,816	6,866

(a) (b) (c) Due to more expenditure being incurred during the year.

(d) (e) Due to more amounts being paid during the year.

(f) Due to less amount being paid during the year.

(g) Due to less expenditure being incurred during the year.

(h) Due to less amount being paid during the year.

(i) Due to less payments being made during the year.

(j) Due to less instruments, etc., being purchased during the year.

(k) Due to no amount being spent during the year.

S. C. SEN GUPTA, M.D., F.R.C.S., CAPT. I.M.S. (retired),

*Honorary Secretary, Jatiya Ayurbijnan Parishad.*

CALCUTTA,

The

193

## APPENDIX A.

### Examiners for 1939.

#### Primary.

##### *Physics and Chemistry.*

Mr. Suresh Chandra Mukherjee, M.Sc., Medical College, Calcutta (Convener).

Mr. Gopal Chandra Bhattacharjee, M.Sc., Carmichael Medical College.

Dr. Baladeb Mukherjee, B.Sc., M.B., National Medical Institute.

Mr. M. Sinha, M.Sc., Calcutta Medical School.

#### Intermediate.

##### *Anatomy.*

Dr. Bhupendra Nath Basu, M.B., Carmichael Medical College (Convener).

Dr. Pasupati Basu, Dacca Medical School.

Dr. A. D. Mukherjee, L.M.F., Calcutta, Medical School.

Dr. Purnananda Ray, M.B., F.R.F.P. & S., Sambhunath Pandit Hospital.

##### *Physiology.*

Dr. Anil Krishna De, B.Sc., M.B., Calcutta Medical School (Convener).

Dr. Makhan Lal Chakrabarty, M.Sc., M.B., Medical College, Calcutta.

Dr. Charu Brata Ray, M.Sc., M.B., Campbell Medical School.

Dr. S. K. Sen, M.B., L.M., Carmichael Medical College.

##### *Materia Medica.*

Dr. H. P. Chatterjee, L.R.C.P. & S., Calcutta Medical School (Convener).

Dr. Kali Krishna Mitra, L.M.S., Bankura Sammilani Medical School.

Dr. Hem Kanti Sinha, M.B., Ph.D., Carmichael Medical College.

Dr. Nawab Ali, M.B., D.T.M., Teacher, Jackson Medical School, Jalpaiguri.

#### Final Examination.

##### *Medicine.*

Khan Sahib Dr. Kabir Hossain, M.B., D.T.M., Campbell Medical School (Convener).

Dr. D. R. Dhar, M.B., M.R.C.P., D.T.M., Medical College, Calcutta.

Dr. Jahar Lal Ghosh, M.D., M.R.C.P., Carmichael Medical College, Calcutta.

Dr. Pulin Behari Bhattacharjee, M.B., Medical College, Calcutta.

*Surgery.*

Dr. Biseswar Mitra, F.R.C.S., Carmichael College (Convener).  
 Dr. Tinkar Acharyya, M.B., Campbell Medical School.  
 Dr. S. N. Ghosh, M.B., B.S., L.R.C.P., Medical College, Calcutta.  
 Dr. Amar Nath Mukherjee, F.R.C.S., Carmichael Medical College.

*Midwifery.*

Dr. J. C. Chatterjee, L.M.S., Calcutta Medical School (Convener).  
 Dr. J. P. Dutta, M.B., Campbell Medical School.  
 Dr. Rangoti Banerjee, B.Sc., M.B., Bankura Sammilani Medical School.  
 Dr. Nimai Krishna Banerjee, M.B., M.O., Carmichael Medical College.

*Medical Jurisprudence and Hygiene.*

Capt. S. K. Bose, M.B., Calcutta Medical School (Convener).  
 Dr. Amalendu Das, Ronaldshay Medical School, Burdwan.  
 Dr. Balai Chand Chatterjee, M.B., D.P.H., D.T.M., Campbell Medical School.  
 Dr. S. C. Ghose, Institute of Hygiene, Calcutta.



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**Drainage.** Report of the—outfall Committee, 1933. Rs. 3-2 (4a.).

**Election.** Rules under the Bengal Municipal Act, 1932, corrected up to July, 1937. A 1 (1a)

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